MAINTENANCE MANUAL

Illustrated Parts Breakdown

Amsco® 3085 SP Surgical Table
After S/N B420702-025

(12/18/07) **P764332-899**

A Word From STERIS Corporation

IMPORTANT: A listing of the *SAFETY PRECAUTIONS* to be observed when operating and servicing this equipment can be found in *SECTION 1* of the *Maintenance Instructions* (P764332-898). Do not operate or service the equipment until you have been trained on this information.

Thank you for choosing this fine STERIS product. STERIS is committed to ensuring your continued satisfaction. This manual illustrates and identifies assemblies and components of the Amsco® 3085 SP Surgical Table. **All personnel involved in the use and maintenance of this equipment must carefully review and comply with the *SAFETY PRECAUTIONS* and instructions contained in the Maintenance Instructions (P764332-898). Do not begin service of this Surgical Table until you have become familiar with this information.**

GENERAL

Assemblies and components of the Amsco 3085 SP Surgical Table are illustrated and identified on the following pages. The part number, the description and the quantity required for each usage are given. Each indentation in the description represents the assembly level. The **UNITS PER ASSEMBLY** column is specific for the given assembly or subassembly level.

WARNING – PERSONAL INJURY AND/OR EQUIPMENT DAMAGE HAZARD: Repairs and adjustments to this equipment must be made only by STERIS or STERIS-trained service personnel. Maintenance performed by unqualified personnel or installation of unauthorized parts could cause personal injury, result in improper equipment performance, invalidate the warranty, or result in costly damage. Contact STERIS regarding service options.

CAUTION – POSSIBLE EQUIPMENT DAMAGE: To prevent voiding the warranty or damaging the equipment, use only STERIS replacement parts.

HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

1. Determine the function and application of the part required. Examine the list of illustrations and select the most appropriate title. Note the illustration page number.
2. Turn to the page indicated and locate the desired part on the illustration (see Example 1).
3. From the illustration, obtain the item number assigned to the part desired. Refer to the accompanying description for specific information regarding the part (see Example 1).
4. The abbreviation A/R means "As Required" or "Amount Required."
5. The abbreviation SS means "Stainless Steel."

SPECIAL INSTRUCTIONS

Table 1 provides part numbers and figure references for the most commonly replaced items on an Amsco 3085 SP Surgical Table. **Table 2** provides part numbers and descriptions of the hydraulic control block replacement parts. These tables are for quick reference only. For a complete listing of parts, refer to the appropriate Figure and associated Illustrated Parts Breakdown (IPB) in this Section of the maintenance manual.

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FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
10-1	**P**	**146667**	**035**		**Harmony LA Wall Control Assembly, Domestic**	**X**			
	P	**146667**	**327**		**Harmony LA Wall Control Assembly, Global**			**X**	
	P	**146667**	**358**		**Harmony LA Wall Control Assembly, LA2**				**X**
1	P	146667	278		ASSEMBLY, Cover/Membrane Replacement	1	–	–	1
2	P	042631	045		SCREW, Socket Button Head, 1/4-20	4	–	–	4
3	P	076230	091		WASHER, Lock, 1/4 External Tooth	4	–	–	4
4	P	146667	087		COVER	1	X	1	–
	P	129382	215		• SCREW, Hex Head, 1/4-20 x 1/2	–	1	–	–
	P	129382	219		• WASHER, 1/4	–	1	–	–
5	P	143356	211		REFLECTOR	1	–	1	–

No indention-part of top assembly

One indention-first subassembly, part of assembly under which it is indented.

No indention-part of top assembly

One indention-first subassembly, part of assembly under which it is identified with an "X" in the column.

Example 1. How To Use IPB Page (Typical)

Table 1. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide

	Description Part	Number	Reference
Hydraulic Cylinders	Leg Section, Left Hand	P141210-145	Figure 21, Item 10
	Leg Section, Right Hand	P141210-146	Figure 21, Item 9
	Back Section, Right Hand	P134469-132	Figure 21, Item 11
	Back Section, Left Hand	P134469-131	Figure 21, Item 12
	Seat	P134469-133	Figure 21, Item 7
	Tilt	P141210-491	Figure 21, Item 8
	Floor Lock, #2 and #3	P056397-275	Figure 21, Item 4
	Floor Lock, #1	P056397-274	Figure 21, Item 3
Kits	Control Cord Replacement (Hand Control)	P764328-571	Figure 10, Item 26
	PC Board Replacement (Hand Control)	P764325-633	Figure 10, Item 26
	Control Housing With Bracket (Hand Control)	P764328-572	Figure 10, Item 26
	3080/3085 H. C. Cord Replacement (Hermes/ACT Interface)	P764333-131	Figure 10, Item 26
	3080/3085 H. C. PC Board (Hermes)	P764333-130	Figure 10, Item 26
	3080/3085 H. C. Control Housing With Bracket (Hermes)	P764333-132	Figure 10, Item 26
	3080/3085 H. C. PC Board (ACT Interface)	P764333-133	Figure 10, Item 26
	3080/3085 H. C. Control Housing With Bracket (ACT Interface)	P764333-135	Figure 10, Item 26
	Foot Control Switch	P764326-690	Not Shown
	Foot Control Cord	P764326-689	Not Shown
	Check Valve	P150823-727	**Table 2**
	Column Cylinder Seal	P764324-901	Figure 8
	Hook Fastener, 5 ft (With Instructions)	P764329-992	Figure 10, Item 11
	Solenoid Assembly Rebuild (Bieri)	P764330-172	Figure 23, Item 18
Adhesives/Supplies	Loctite, Type 222	R005300-545	Figure 16, Item 36
	Loctite 242, 50 cc	R005300-554	Not Shown
	Loctite 262 (Thread Locker)	R005300-890	Not Shown

Table 1. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide (Cont'd)

	Description Part	Number	Reference
Adhesives/Supplies (Cont'd)	Loctite 271	R005300-548	Not Shown
	Loctite 290, 50 cc	R005300-540	Not Shown
	Loctite, Type 495, 1 oz	R005300-557	Figure 16, Item 25
	Loctite, Type RC/609	R005300-542	Figure 16, Item 35
	Loctite, Primer T	R005300-912	Figure 16, Item 38
	RTV, GE 108 Clear, 2.8 oz.	R005300-563	Not Shown
	RTV, #108	R005300-567	Figure 5, Item 11
	RTV, Black, GE #123	R005300-568	Figure 1, Item 37
	RTV, White, #162	R005300-006	Not Shown
	Tape, Used on Shroud Clips	R007200-030	Figure 1, Item 38
	Foam, Tape, 3/16 x 3/8 (Unit of Measure per Foot)	R007200-553	Figure 1, Item 34
	Hydraulic Oil Kit	P764322-636	Figure 8, Item 12
	Touch-up Paint, Dark Gray, 12-oz Can	P764319-808	Not Shown
	Touch-up Paint, Gray, 60-cc Bottle	Q150824-612	Not Shown
	Neptune 7, 4-oz Tube	P764322-635	Not Shown
	Ora Lub Anti-Seize	R005300-286	Not Shown
	Lubriplate HD-2, 14-oz Tube	R006400-826	Not Shown
	Lint-Free Cloth (BAF), Package	R006200-400	Not Shown
Tools	Column Seal Spanner Wrench	P764324-884	Figure 8, Item 10
	Allen Wrench, Tamperproof Screws	P764322-952	Not Shown
	Protractor, Digital Smart Level	P764323-811	Not Shown
	Wiper, Low Lint-Res. Free	R006200-402	Not Shown
Parts	Bearing, Plain **O**lite	P010540-091	Figure 2, Item 8
	Screw, Roundhead, Machine, 1/4-20 x 5/8	P003999-041	Figure 12, Item 4
	Gear, spur	P015220-045	Figure 17, Item 8
	Worm	P016234-091	Figure 17, Item 10

Table 1. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide (Cont'd)

	Description Part	Number	Reference
Parts (Cont'd)	Joint, Universal	P020200-045	Figure 17, Item 19
	Cylinder, Rubber	P021504-091	Figure 2, Item 26
	Pin, Grooved, 3/16 x 1	P024700-061	Figure 17, Item 13
	Side Rail, Leg Section (Right Hand)	P056397-205	Figure 10, Item 8
	Side Rail, Leg Section (Left Hand)	P056397-206	Figure 10, Item 7
	Side Rail, Seat Section (Right Hand)	P056397-209	Figure 10, Item 10
	Side Rail, Seat Section (Left Hand)	P056397-210	Figure 10, Item 9
	Side Rail, Back Section (Right Hand)	P056397-213	Figure 10, Item 5
	Side Rail, Back Section (Left Hand)	P056397-214	Figure 10, Item 6
	Washer, Sealing, 10mm	P056397-441	Figure 23, Item 6
	Caster, Swivel Non-Conductive, 1/2-13	P056397-570	Figure 2, Item 1
	Side Rail Assembly, Left Hand	P056397-899	Figure 16, Item 5
	Side Rail Assembly, Right Hand	P056397-900	Figure 16, Item 32
	Shaft, Cross, Kidney Bridge	P093908-584	Figure 17, Item 4
	Shaft, Floor Lock	P093908-849	Figure 2, Item 17
	Knob, 5/16-18	P093909-192	Figure 12, Item 38
	Assembly, Spacer (X-Ray Top)	P093909-299	Figure 11, Item 2
	Label, Auxiliary Override	P093909-401	Figure 1, Item 24
	Rack, Kidney Bridge (Each)	P129359-653	Figure 12, Item 39
	Bearing	P129359-671	Figure 7, Item 6
	Pin	P129359-680	Figure 9, Item 11
	Bearing, Olite	P129359-882	Figure 7, Item 14
	Spring, Compression	P129360-228	Figure 16, Item 16
	Stop, Nylon	P129360-229	Figure 16, Item 17
	Plug, Pipe (1/4)	P129360-580	Figure 9, Item 20

Table 1. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide (Cont'd)

	Description Part	Number	Reference
Parts (Cont'd)	Pad Set, 2 (3080/3085)	P129360-589	Figure 10, Item 27
	X-Ray Top Assembly, Head section	P136807-045	Figure 11
	Headrest Assembly	P141210-530	Figure 16
	Foot	P150199-001	Figure 2, Item 27
	Spacer, Side Rails, 9/16	P150823-276	Figure 10, Item 20
	Pad, TLT Back/Seat Section	P150830-173	Figure 10, Item 27
	Pad, TLT Leg Section	P150830-174	Figure 10, Item 27
	Pad, TLT Head Section	P150830-175	Figure 10, Item 27
	Pad Set,TLT	P150830-176	Figure 10, Item 27
	Hand Control, 3085 SP (Red Plug)	P141210-318	Figure 10, Item 26
	Hand Control, Hermes-Ready (Blue Plug)	P141210-367	Figure 10, Item 26
	Hand Control, ACT Interface (Blue Plug)	P146664-103	Figure 10, Item 26
	Back Section, Tabletop	P764324-054	Figure 10, Item 2
	Leg Section, Tabletop	P764324-055	Figure 10, Item 3
	Seat Section, Tabletop	P764324-056	Figure 10, Item 4
	Frame, Seat Section	P764328-196	Figure 9, Item 37
Electrical	Circuit Breaker, 12 Amp (With ON/OFF)	P056397-356	Figure 6, Item 23
	Transformer Assembly, 24V	P056397-862	Figure 3, Item 22
	Battery, Control, 12V	P093908-637	Figure 3, Item 53
	Fuse, 1/2Amp	P093909-222	Figure 3, Item 41
	Fuse, Cartridge, 1Amp	P093909-444	Not Shown
	Switch, Limit (LS1, LS2 and P27)	P093909-544	Figure 19, Item 19
	Assembly, Rectifier	P093909-780	Figure 19, Item 33
	Assembly, Override (P22, Floor Lock)	P134469-092	Figure 6, Item 31
	Battery, Motor 12 V	P764331-223	Figure 3, Item 12
	Assembly, Cable (LS1, LS2 and P27)	P136807-035	Figure 19, Item 19

Table 1. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide (Cont'd)

	Description Part	Number	Reference
Electrical (Cont'd)	Assembly, Limit Switch (P28 to Control Box)	P136807-080	Figure 19, Item 41
	Fuse, Cartridge, 6Amp	P150823-292	Figure 5, Item 2
	Electric-to-Battery Conversion	P630939-039	Figure 20
	AC Plate Assembly With Labels and Cover	P755717-297	Figure 5 and Figure 19, Item 7
	Cord With Velcro Strap	P764324-271	Figure 3, Item 47
	Control PC Board Housing Assembly	P146655-481	Figure 4, Item 18
	Override Control Board Box Assembly	P141210-139	Figure 4, Item 23
	Power Supply	P134469-472	Figure 3, Item 6
	• Power Control PC Board	P760265-598	Figure 3 Item 40
	Battery Charger (Motor Only)	P426637-598	Figure 3, Item 7
Hydraulic	Motor Pump (Bieri)	P134469-299	Figure 24, Item 2
	Motor And Pump Assembly, Plastic Sump #4	P141210-540	Figure 24
	Hose, Size 2, 850 mm (LR and LC)	P150823-388	Figure 22, Item 12

Table 2. Amsco 3085 SP (IPX4) Parts - Quick Reference Guide: Hydraulic Control Block Replacement Parts

Hydraulic Control Block Replacement Parts				Control Block Ports													
Figure and Item No.	Part No.		Description	TC,TR,P Opposite Control Block Side	TC	TR	BR	SR	LR	BC	SC	P	LC	H	R	s1-13	150823-727 Kit Check Valve
23	P141210-304		Control Block Assembly (Bieri Hydraulic #3)														
1	P150823-369		Banjo Bolt		X	X	X	X	X	X	X	X	X		X		
2	P150823-583		Banjo Bolt	X										X			
3	P150823-657		Restrictor							X	X						
4	P150823-726		Check Valve Assembly (Ball/Spring)							X	X		X	X			8
5	P150823-966		Banjo Housing											X			
6	P056397-441		Sealing Washers	X	X	X	X	X	X	X	X	X	X	X	X		8
7	P150823-607	*	Hose Assembly, Size 2, 950mm				X			X							
8	P150823-617	*	Hose Assembly, Size 4, 330mm			X											
9	P150823-618	*	Hose Assembly, Size 4, 307mm		X												
10	P150823-620	*	Hose Assembly, Size 2, 530mm								X						
11	P150823-603	*	Hose Assembly, Size 2, 665mm					X									
12	P150823-388	*	Hose Assembly, Size 2, 850mm						X				X				
13	P150823-398	*	Hose Assembly, Size 4, 1600mm									X					
14	P150823-399	*	Hose Assembly, Size 4, 1600mm												X		
15	P056397-481		O-Ring Metric (Sealing Washers)	X		X								X			
16	P056397-585		Check Valve Cartridge		X	X	X	X	X	X	X	X	X	X	X		3
17	P056397-469		O-Ring (Check Valve Cartridge)		X	X	X	X	X	X	X	X	X	X	X		3
18	P764330-172		Kit, Solenoid Assembly Rebuild													1	
19	P150823-380		• Solenoid Assembly (S1-S12)													10	
20	P150823-661		• • Coil													A/R	
21	P150823-856		• • Coil Nut													A/R	
22	P150823-857		• • Washer, Spring													A/R	
23	P150830-150		Spring, Pressure														
24	P150823-692		Spring, Guide														
25	P150823-568		Cartridge, Solenoid Valve													13	
26	P056397-457		O-Ring (Solenoid Valve Cartridge)													13	

** All Hose Assemblies Include: Sealing Washers (Usit Ring), Banjo Bolts, Restrictor, Banjo Housing*

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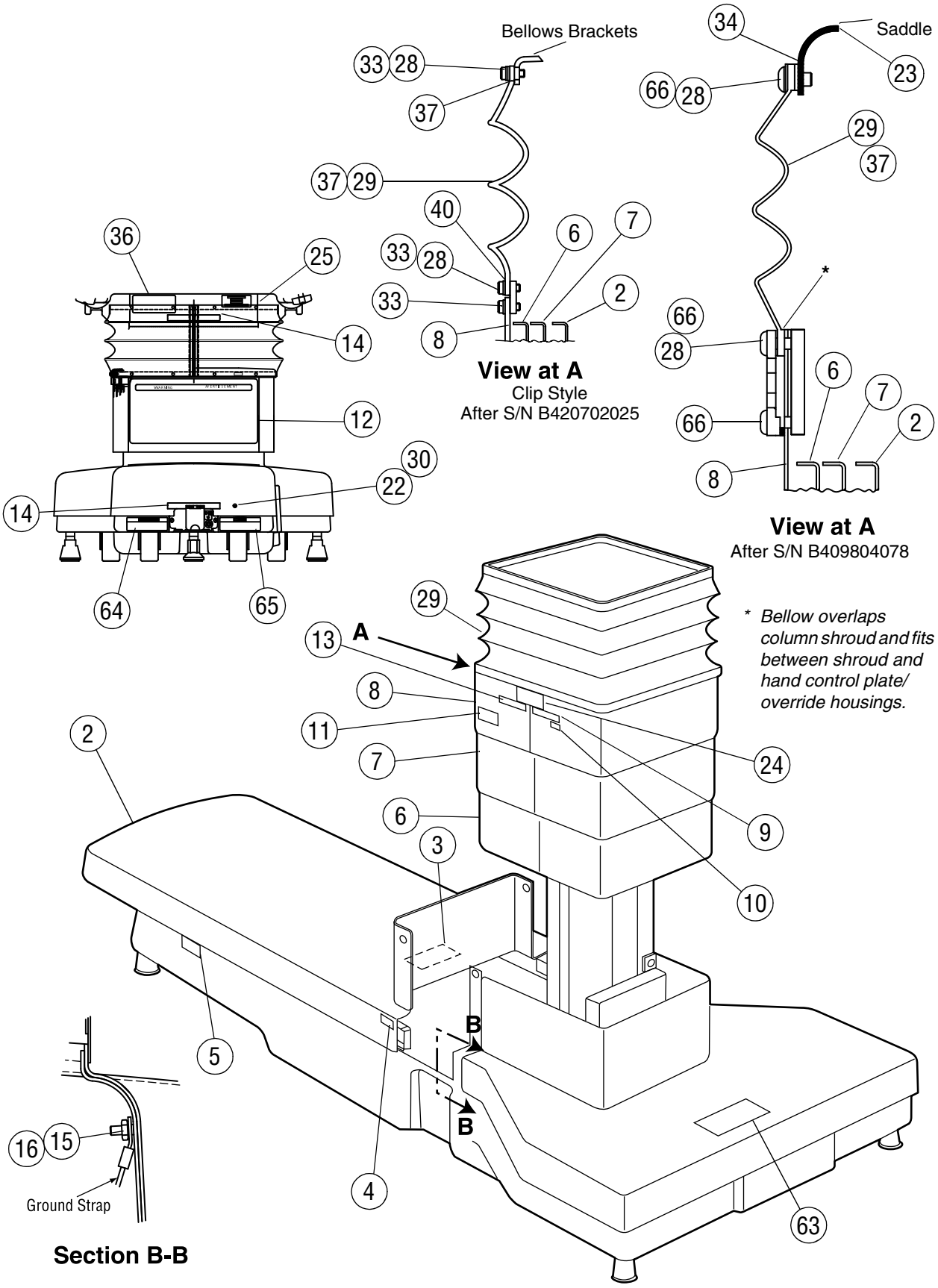


Figure 1. 3085 SP (IPX4) Surgical Table Base Shroud and Bellows Support Assembly (1 of 3)

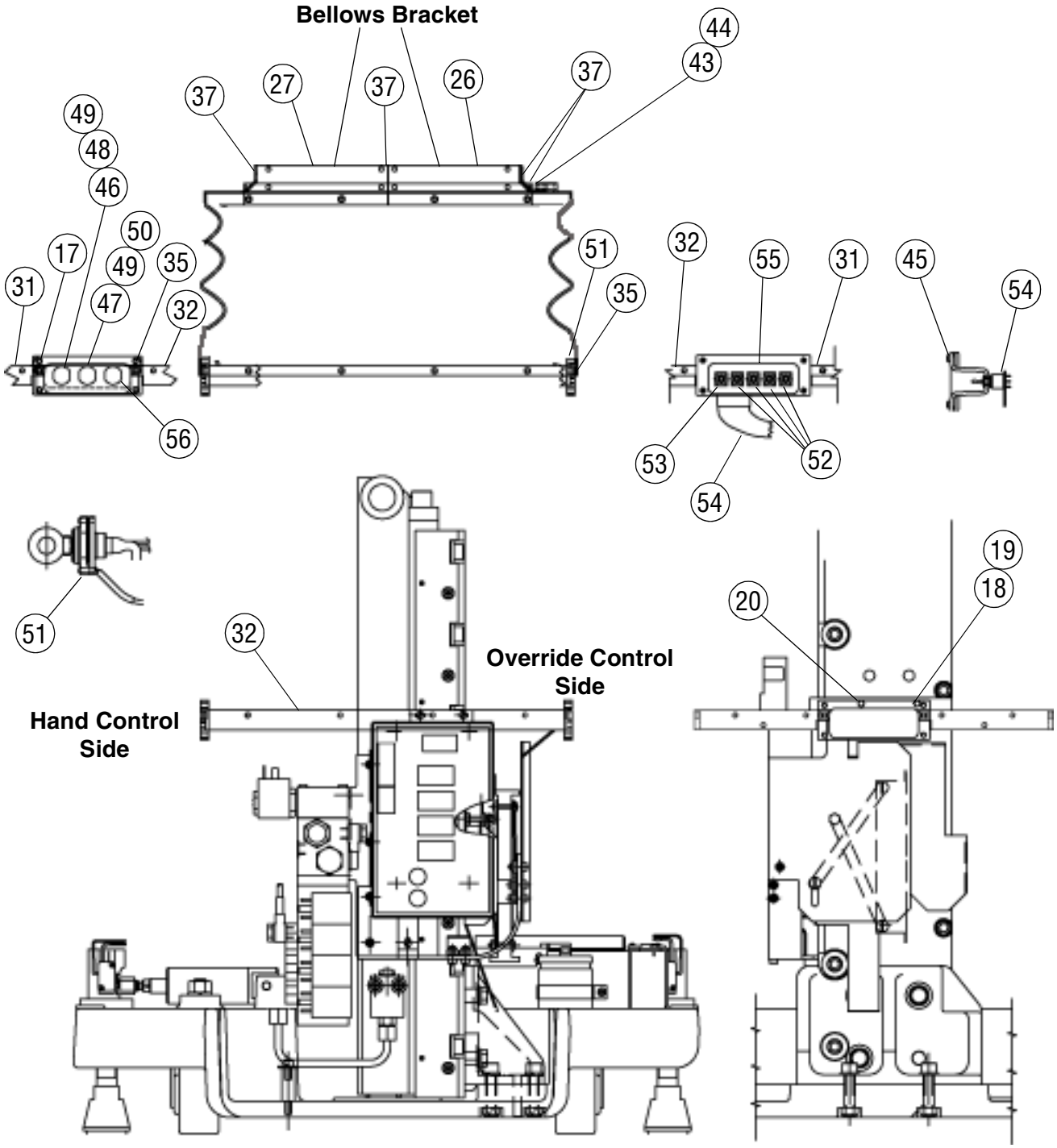
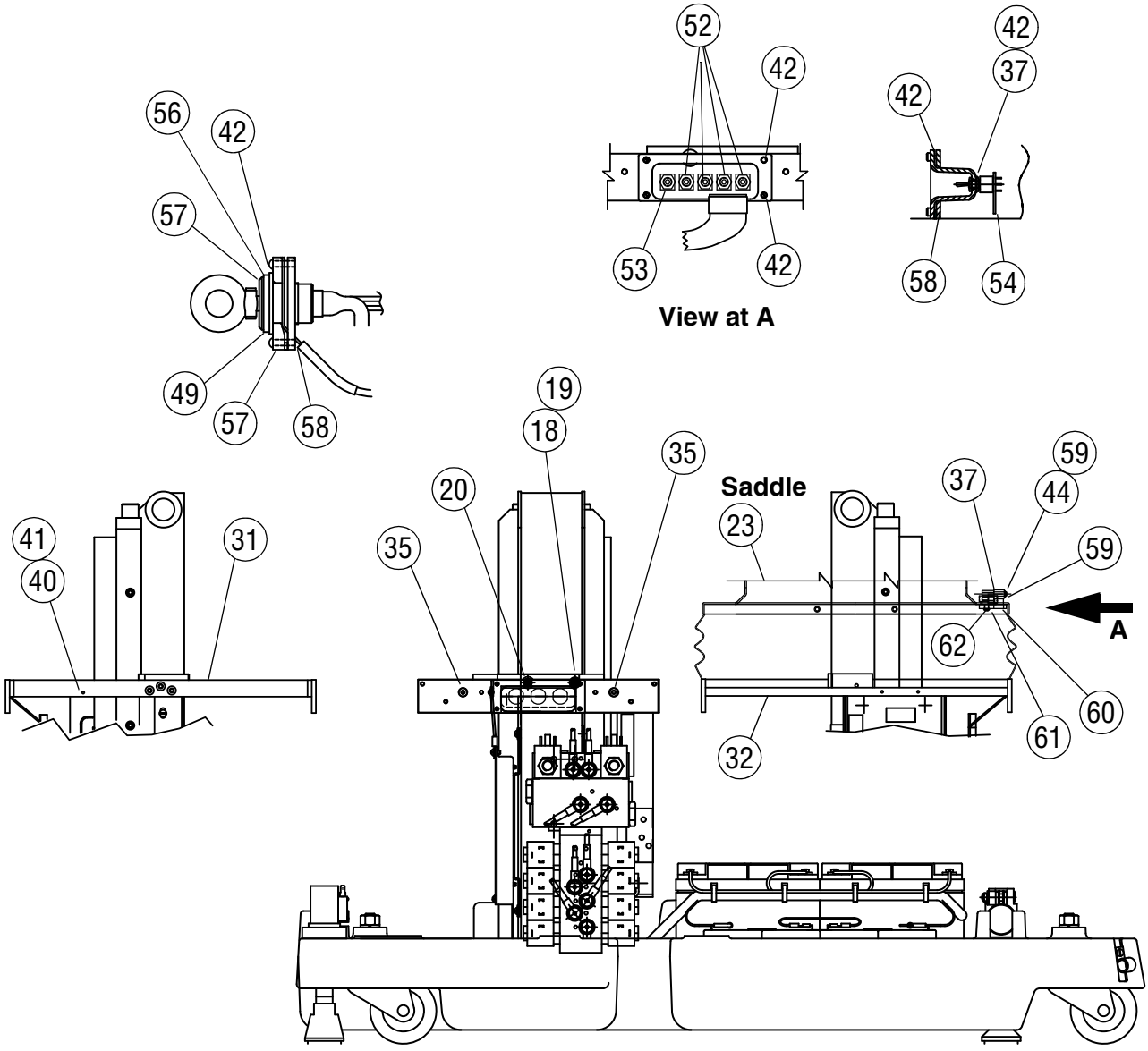


Figure 1. 3085 SP (IPX4) Surgical Table Bellows Mounting Assembly, Before S/N B409804078 (2 of 3)



After S/N B409804078

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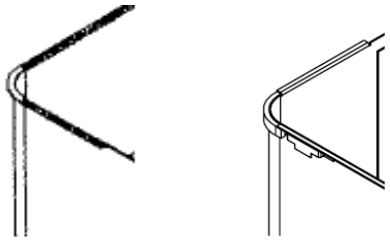
* *There was a change to the shrouding. Note if your bottom shroud has clips welded on the inside of the upright for the column, individual shroud components are available for this style. The bar frame style components are NLA, a complete set of replacement shrouds will need to be replaced. P764332-903 KIT, 3085 (IPX4) Shrouds Bar Style to Clip Style. This Kit includes Items 2, 6, 7, 8, 9 and 13. See physical difference at right.*



Bar Style **Clip Style**

Figure 1. 3085 SP (IPX4) Surgical Table Bellows Mounting Assembly (3 of 3)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY		
1-					**3085 SP (IPX4) Surgical Table (Before S/N B420702025) Bar Style Frame**	X		
					3085 SP (IPX4) Surgical Table (After S/N B420702025) Clip Style		X	
					3085SP (IPX4) Surgical Table (After S/N B409804078)			X
1	P	764332	903	*	KIT, 3085 (IPX4) Shrouds Bar Style to Clip Style (Not Shown)	1	–	–
2				*	ASSEMBLY, Base Shroud (NLA)	1	–	–
	P	764332	901		• ASSEMBLY, Base Shroud W/English Labels	–	1	1
3	P	056397	351		• LABEL, Caution Do Not Use For Storage (English/French)	1	1	1
	P	056401	599		LABEL, Caution Do Not Use For Storage (Spanish, 220V)	A/R	A/R	A/R
	P	056401	600		LABEL, Caution Do Not Use For Storage (German, 220V)	A/R	A/R	A/R
4	P	129360	483		• STICKER, Natural Ground	1	1	1
5	P	093909	402		• LABEL, Auxiliary, Floor Lock	1	1	1
6				*	SHROUD, Bottom Intermediate (NLA)	1	–	–
	P	141210	468		SHROUD, Bottom Intermediate	–	1	1
7				*	SHROUD, Intermediate (NLA)	1	–	–
	P	141210	469		SHROUD, Middle Intermediate	–	1	1
8				*	SHROUD, Upper Without Labels (NLA)	1	–	–
	P	141210	495		SHROUD, Upper Without Labels (INTERNATIONAL)	–	–	1
	P	764332	902		• SHROUD, Upper With English Labels	–	1	1
9	P	134469	351		• LABEL, ID 3085 SP Electric	2	2	2
	P	134469	352		• LABEL, ID 3085 SP - BATTERY	2	2	2
10	P	056397	703		LABEL, Hermes-Ready (HERMES Ready Only)	A/R	A/R	A/R
11	P	093909	795		• LABEL, Warning	1	1	1
12	P	141210	459		• LABEL, Warning	1	1	1
13	P	056397	643		LABEL, STERIS Logo	2	2	2
14	P	056397	676		LABEL, 120V Setting	1	1	1
	P	056397	678		LABEL, 230/240V Setting (INTERNATIONAL)	A/R	A/R	A/R
15	P	002960	042		NUT, Hex #10-32	1	1	1
16	P	124361	013		LOCKWASHER, External Tooth, #10	1	1	1
17	P	056397	850		PLATE, Override Switch	2	2	–
	P	056397	884		BRACKET, Override	–	–	2
18	P	037676	061		SCREW, Socket Head,1/4-28 x 5/8	1	1	–
19	P	019678	045		LOCKWASHER, 1/4	1	1	–
20	P	150823	547		SCREW, Flat Head, 1/4-28 x 5/8	1	1	–
21	P	093909	734		LABEL, Manual Pump (Not Shown)	1	1	1
22	P	076061	061		SCREW, Tress Head, 1/4-20 x 3/4	2	2	2
23					SADDLE, Bellows Mount (*Not Service Part*)	1	1	1
24	P	093909	401		LABEL, Auxiliary Override	1	1	–
25	P	093909	375		LABEL, Patent	1	1	1
26	P	141210	426		ASSEMBLY, Assembly, Bellows Mount - Right	1	1	–
27	P	141210	421		ASSEMBLY, Assembly, Bellows Mount - Left	1	1	–
28	P	020844	061		WASHER #10, SS	12	12	28
29	P	141210	450		BELLOWS, Column	1	1	–
	P	141210	496		BELLOWS, Zippered	–	–	1
30	P	150830	374		O-RING	1	1	1

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
1-					**3085 SP (IPX4) Surgical Table (Before S/N B420702025)** **Bar Style Frame**	**X**			
					3085 SP (IPX4) Surgical Table (After S/N B420702025) **Clip Style**		**X**		
					3085SP (IPX4) Surgical Table (After S/N B409804078)			**X**	
31	P	141210	437		SUPPORT, Mounting Shroud (Foot End)	1	1	–	
	P	141210	494		BRACKET, Column (Foot End)	–	–	1	
32	P	141210	436		SUPPORT, Mounting Shroud (Head End)	1	1	–	
	P	141210	497		ASSEMBLY, Mounting Shroud Support (Head End)	–	–	1	
33	P	012539	061		SCREW, Round Head, SS, #10-32 x 3/8	36	36	36	
34	R	007200	553		FOAM, Tape, 3/16 x 3/8 (Unit of measure per foot)	–	–	5	
35	P	024545	061		SCREW, Flat Head, SS, #10-32 x 5/16	4	4	4	
36					PLATE, Data	1	1	1	
37	R	005300	568		RTV, Black, GE #123	A/R	A/R	A/R	
38	R	007200	030		TAPE, Used on Shroud Clips (Not Shown)	1	1	1	
39	P	129360	241		KIT, Shipping Packing (Not Shown)	1	1	1	
40	P	081681	001		SCREW	–	–	4	
41	P	081682	001		LOCKWASHER, #6	–	–	4	
42	P	129361	221		SCREW, Button Head Cap, #10-32 x 1/2	–	–	10	
43	P	056397	857		ASSEMBLY, Hose Cover	1	1	–	
44	P	081222	001		SCREW, Socket Head Cap, SS, #8-32 x 7/8	2	2	–	
45	P	009298	041		SCREW, Round Head, #10-32 x 1/2	10	10	–	
46	P	129360	562		WASHER, Insulating (Gray - Foot Control, **P4**)	1	1	1	
47	P	129360	563		WASHER, Insulating (Red - Hand Control, **P2**)	1	1	1	
48	P	136807	027		ASSEMBLY, Foot Control Cable (**P4**)	1	1	1	
49	P	129360	275		CAP, Dust	2	2	2	
50	P	136806	819		ASSEMBLY, Hand Control Cable (**P2**)	1	1	1	
51	P	056397	852		PLATE, Connector	1	1	1	
52	P	129360	351		SEAL, Toggle Boot (Gray)	4	4	4	
53	P	129360	352		SEAL, Toggle Boot (Red - Trend. /R. Trend.)	1	1	1	
54	P	093909	295	**	ASSEMBLY, Override Switch Board (Contactor Solder Side)	1	1	–	
	P	150830	758	**	ASSEMBLY, Override Switch Board (Contactor Control Side)	–	–	1	
55	P	150830	350		COVER, Hole	1	1	1	
56	P	129359	738		PIN, 9/16 x 3 Modified	–	–	2	
57	P	129359	748		WASHER, Thrust	–	–	4	
58	P	150830	501		GASKET, Hand Control/Override	–	–	2	
59	P	150473	302		WASHER, Flat, SS, #8	–	–	6	
60	P	056397	928		RETAINER, Hose	–	–	1	
61	P	050527	061		SCREW, Socket Head Cap, 8-32 x 1/2	–	–	2	
62	P	056397	851		HOUSING, Override Switch	–	–	1	
63	P	150830	569		LABEL, WEIGHT-ORIENTATION	1	1	1	
64	P	056397	866		LABEL, FUSE WARNING, French - IPX4	1	1	1	
65	P	056397	867		LABEL, FUSE WARNING, English - IPX4	1	1	1	
66	P	200050	303		SCREW, Button Head, #10-32 x 3/8	20	20	36	
					** See note and illustration in Figure 1 (3 of 3)*				
					*** Item 54 may have the connector on solder or control side; please verify before ordering replacement part.*				

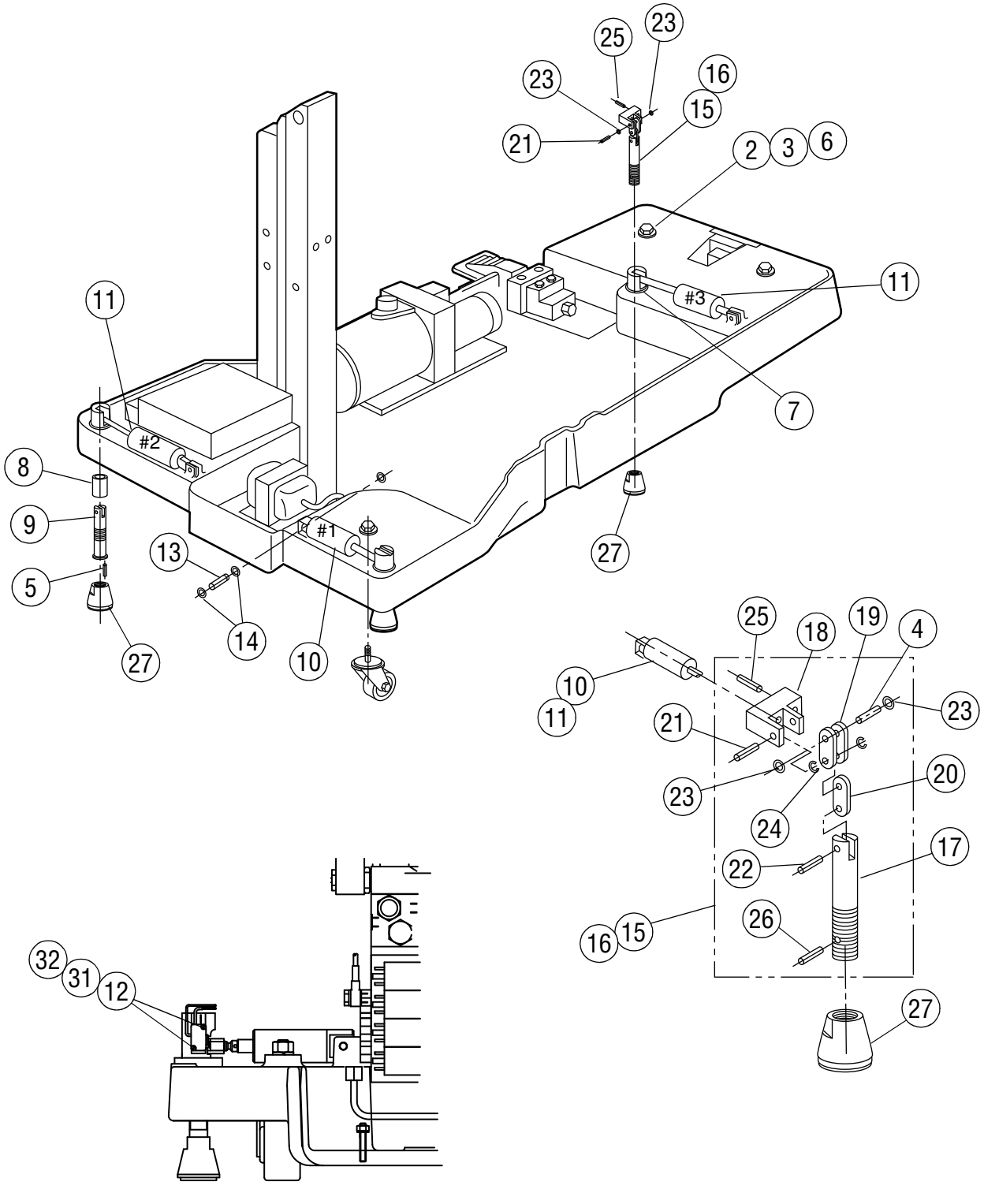
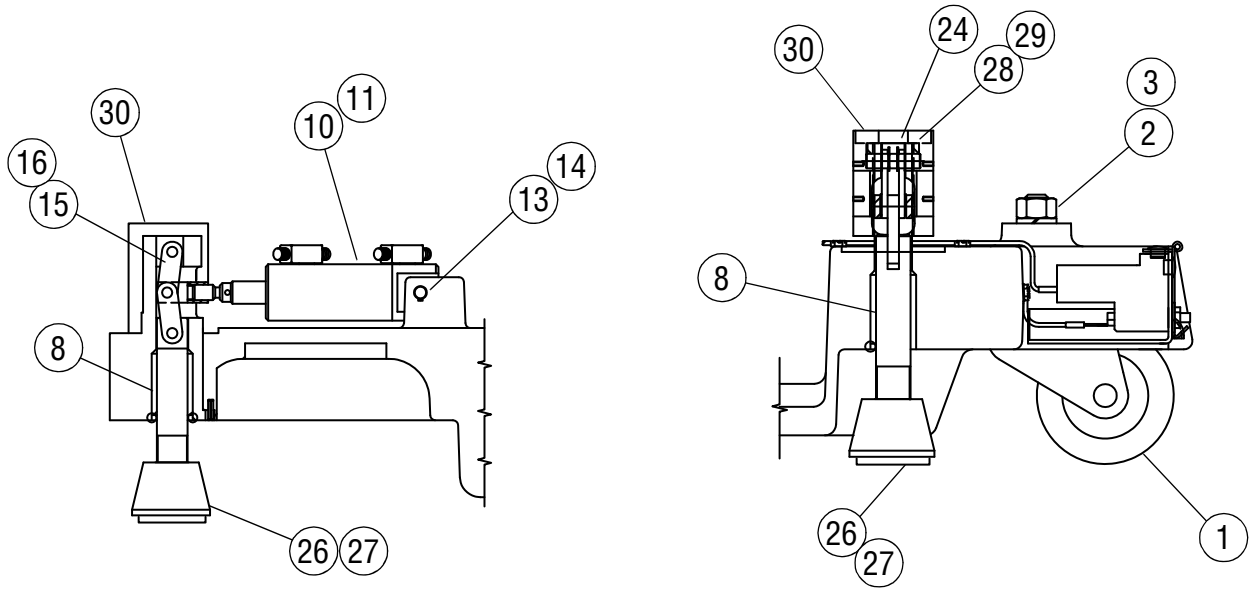
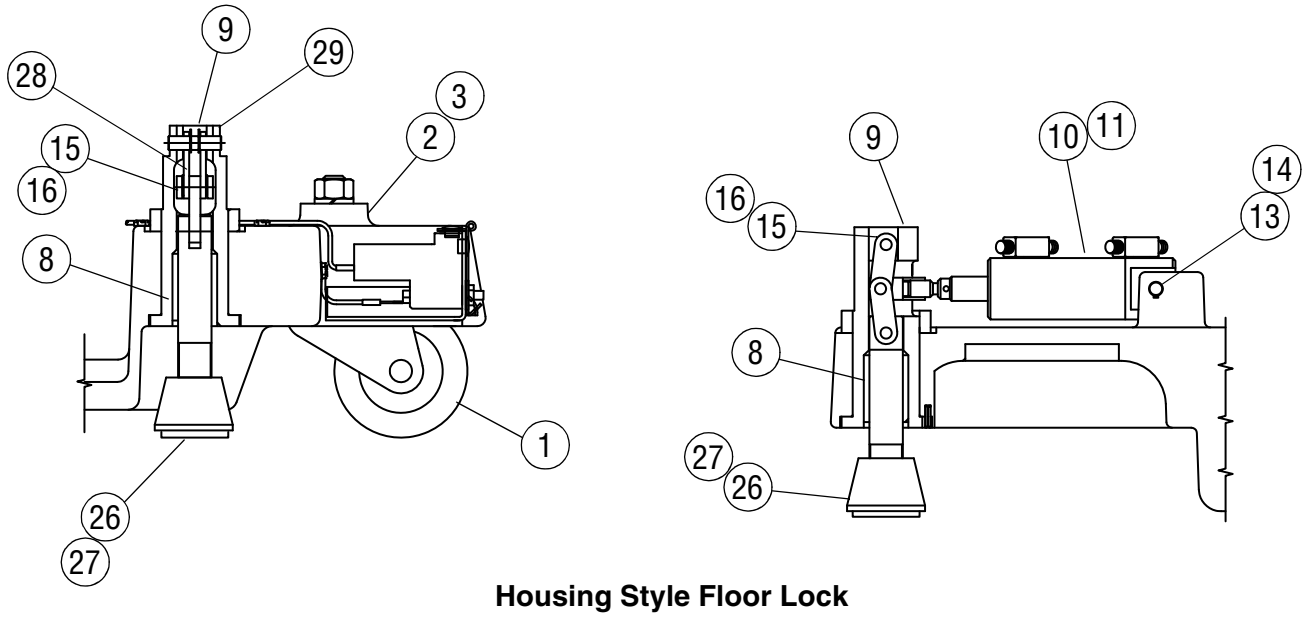


Figure 2. 3085 SP (IPX4) Surgical Table Base Assembly, Floor Lock and Casters (1 of 2)



Tower Style Floor Lock
S/N After B427104-145



Housing Style Floor Lock
S/N Before B427104-145

Figure 2. 3085 SP (IPX4) Surgical Table Base Assembly, Floor Lock and Casters (2 of 2)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
2-					**3085 SP (IPX4) Surgical Table Base Assembly, Floor Lock and Casters; Housing Style (Before B427104145)**	**X**			
					3085 SP (IPX4) Surgical Table Base Assembly, Floor Lock and Casters; Tower Style (After B427104145)		**X**		
1	P	056397	570		CASTER, Swivel, 1/2-13, Non-Conductive	3	3		
2	P	019681	045		LOCKWASHER, 1/2	4	4		
3	P	013397	041		NUT, Hex, 1/2-13	4	4		
4	P	129359	900		PIN, Housing	3	–		
5	P	036683	061		PIN, Roll, 1/8 Diameter x 1/2	3	3		
6	P	019681	045		WASHER, Flat, 1/2	4	–		
7	P	129360	154		NUT, Retainer	3	–		
8	P	010540	091		BEARING, Plain Olite	3	3		
9	P	136806	493		HOUSING, Floor Lock	3	–		
10	P	056397	274		CYLINDER, Floor Lock **#1**	1	1		
11	P	056397	275		CYLINDER, Floor Lock **#2/#3**	2	2		
12	P	136807	035		ASSEMBLY, Limit Switch and Cable (**LS1, LS2 and P27**) (see Figure 19)	1	–		
13	P	129359	870		PIN, Cylinder Pivot	3	3		
14	P	036836	091		RING, Retaining	6	6		
15	P	093908	634		ASSEMBLY, Shaft and Link, Left Hand	2	–		
	P	056397	804		ASSEMBLY, Shaft and Link, Left Hand	–	2		
16	P	093908	635		ASSEMBLY, Shaft and Link, Right Hand	1	–		
	P	056397	805		ASSEMBLY, Shaft and Link, Right Hand	–	1		
17	P	093908	849		• SHAFT, Floor Lock	3	3		
18	P	093908	850		• CLEVIS, Cylinder (Housing Style)	1	–		
	P	056397	803		• CLEVIS, Cylinder Floor Lock (Tower Style)	–	3		
19	P	129360	152		• LINK, Pivot	6	6		
20	P	129360	151		• LINK, Shaft	3	3		
21	P	129359	898		• PIN, Link	3	3		
22	P	129359	899		• PIN, Shaft	3	3		
23	P	047429	061		• RING, Retaining, 1/4 Diameter	6	6		
24	P	024699	091		RING, Snap, 5/16 Diameter	10	6		
25	P	040848	061		SCREW, Sockethead Set, 1/4-20 x 3/4	3	3		
26	P	021504	091		CYLINDER, Rubber	3	3		
27	P	150199	001		FOOT	3	3		
28	P	150830	290		SCREW, Socket Head Cap, 1/4-20	12	12		
29	P	049134	061		WASHER, Flat, 1/4	24	24		
30	P	134469	433		TOWER, Floor Lock	3	3		
31	P	084114	001		WASHER, Flat #4	4	4		
32	P	091676	041		SCREW, #4-40 x 9/16	4	4		

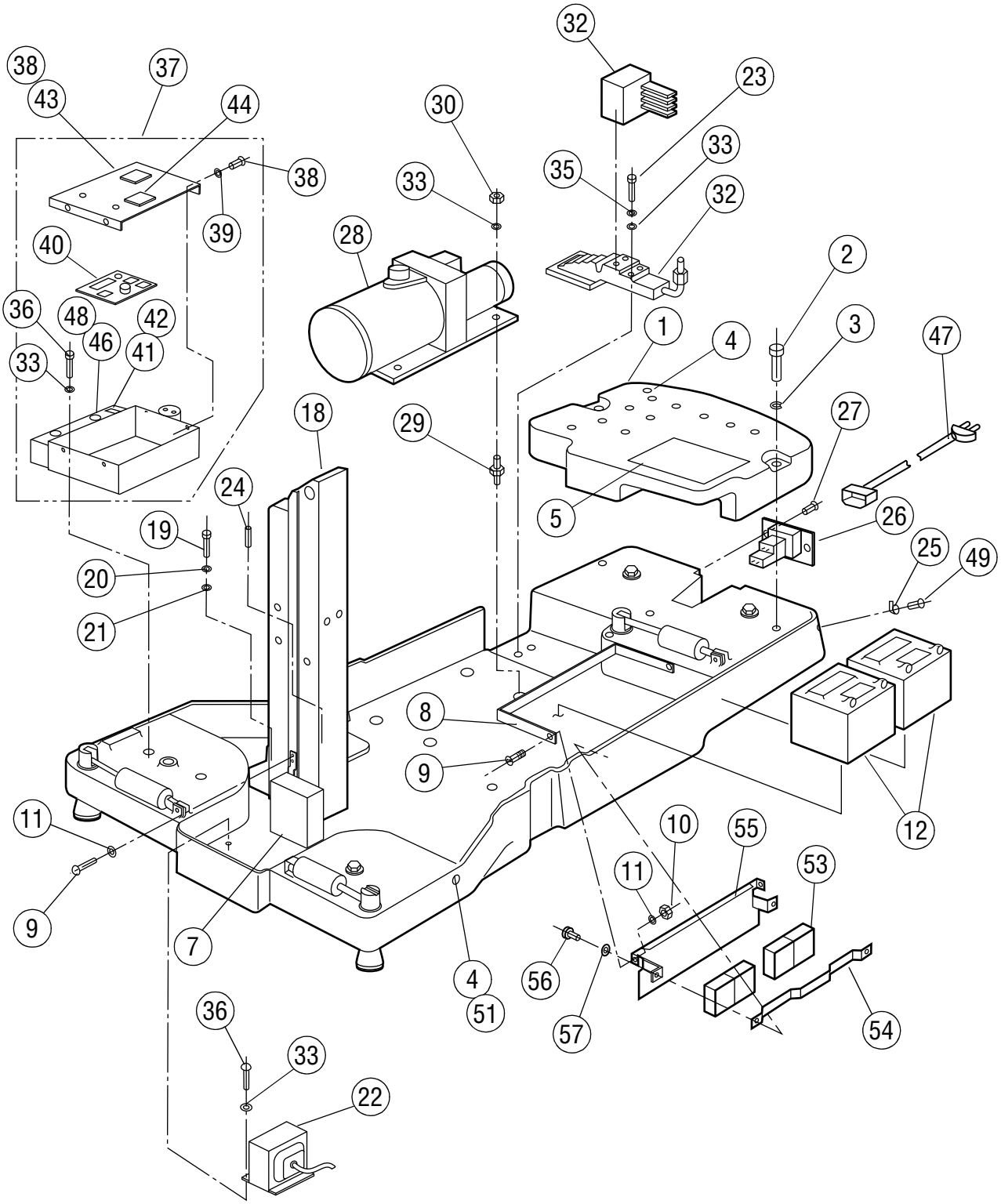


Figure 3. 3085 SP (IPX4) Surgical Table Base Assembly, Components

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
3-					**3085 SP (IPX4) Surgical Table Base Assembly, Components** **Electric Unit** **Battery Unit**	**X**	**X**		
1	P	146653	460		COUNTERWEIGHT	1	1		
2	P	129359	896		SCREW, Socket Head Cap, 3/8-16 x 3-1/4	2	2		
3	P	019680	041		WASHER, Helical Spring, 3/8	2	2		
4	P	129360	481		BUMPON	6	6		
5	P	134469	363		LABEL, Battery Replacement (Domestic, 120V)	1	1		
	P	134473	247		LABEL, Battery Replacement (French, 220V)	1	1		
	P	134473	248		LABEL, Battery Replacement (Spanish, 220V)	1	1		
	P	134473	249		LABEL, Battery Replacement (German, 220V)	1	1		
6					NOT USED				
7	P	426637	598		CHARGER, Battery (Motor)	–	1		
8	P	093909	212		BRACKET, Battery Support (Coated)	–	1		
9	P	093908	037		SCREW, Sems, #8-32 x 1/2	–	4		
10	P	003153	041		NUT, Hex, #8-32	–	4		
11	P	084114	003		WASHER, Flat, #8	–	6		
12	P	764331	223		BATTERY, Motor, 12 V	–	1		
13	P	134469	362		ASSEMBLY, Cable (**P25** to Battery; Not Shown)	–	1		
14	P	093909	467		JUMPER, Motor Battery (Not Shown)	–	1		
15	P	129360	598		TIE, Cable (Not Shown)	–	4		
16	P	093909	748		JUMPER, Wire, Program (**P29**; Not Shown)	–	1		
17					NOT USED				
18					ASSEMBLY, Column (see Figure 1, Figure 7 and Figure 8)	1	1		
19	P	036633	001		SCREW, Socket Head Cap, 3/8-16 x 1-3/4	4	4		
20	P	019680	041		WASHER, Helical Spring, 3/8	4	4		
21	P	010412	042		WASHER, Flat, 3/8	4	4		
22	P	056397	862		ASSEMBLY, Transformer, 24 V	1	1		
23	P	045613	091		SCREW, Sockethead Cap, 1/4-20 x 1-1/2	2	2		
24	P	046156	061		PIN, Spring Roll, 5/16 Diameter x 3/4	2	2		
25	P	129360	565		CLAMP, Wire	1	1		
26	P	134469	466		ASSEMBLY, A.C. Plate (see Figure 5)	1	1		
27	P	093908	037		SCREW, Sems, #8-32 x 1/2	2	2		
28	P	141210	540		MOTOR AND PUMP, Plastic Sump, Bieri #4 (see Figure 24)	1	1		
29	P	045744	001		MOUNTING, Motor (Vibration Mount)	4	4		
30	P	003097	041		NUT, Hex, 1/4-20	3	3		
31					NOT USED				
32	P	146653	789		ASSEMBLY, Foot Pump (see Figure 6)	1	1		
33	P	081673	006		WASHER, Flat, 1/4	2	2		
34					NOT USED				
35	P	019678	045		LOCKWASHER, 1/4	14	14		
36	P	002792	045		SCREW, Socket Head Cap, 1/4-20 x 1/2	7	7		
37	P	134469	472		POWER SUPPLY, 3085 Low Leakage (Electric/Battery)	1	1		
38	P	093908	035		• SCREW, Sems, #8-32 x 5/16	6	6		
39	P	084114	003		• WASHER, Flat, #8	4	4		

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
3-					**3085 SP (IPX4) Surgical Table Base Assembly, Components (Cont'd)**				
					Electric Unit	**X**			
					Battery Unit		**X**		
40	P	760265	598		• PC BOARD, Power Control	1	1		
	P	129360	518		• JUMPER	1	1		
41	P	093909	222		• FUSE, 1/2 AMP	1	1		
42	P	093908	673		• HOLDER, Fuse	1	1		
43	P	056397	865		• LABEL, Battery Identification	1	1		
44	P	056404	006		• LABEL, Fuse Replacement	1	1		
45					NOT USED				
46	P	129360	653		COVER, Switch	2	2		
47	P	764324	271		CORD, With Velcro Strap	1	1		
	P	150830	129		KIT, International Cord	A/R	A/R		
48	P	129360	524		DECAL, Fuse F3	1	1		
49	P	081669	002		SCREW, Truss Head, #10-32 x 1/2	2	2		
50					NOT USED				
51	P	093909	538		ASSEMBLY, Stand-off Bumper, #8-32 (Before 5/13/1999)	5	5		
	P	056397	673		ASSEMBLY, Stand-off Bumper, 1/4-20 (After 5/13/1999)	1	1		
52					NOT USED				
53	P	093908	637		BATTERY, Control, 12V	2	2		
54	P	093909	283		STRAP, Battery Support	1	1		
55	P	136806	807		PLATE, Battery Support	1	1		
56	P	050527	061		SCREW, Socket Head Cap, #8-32 x 1/2	2	2		
57	P	019676	041		LOCKWASHER, #8	2	2		

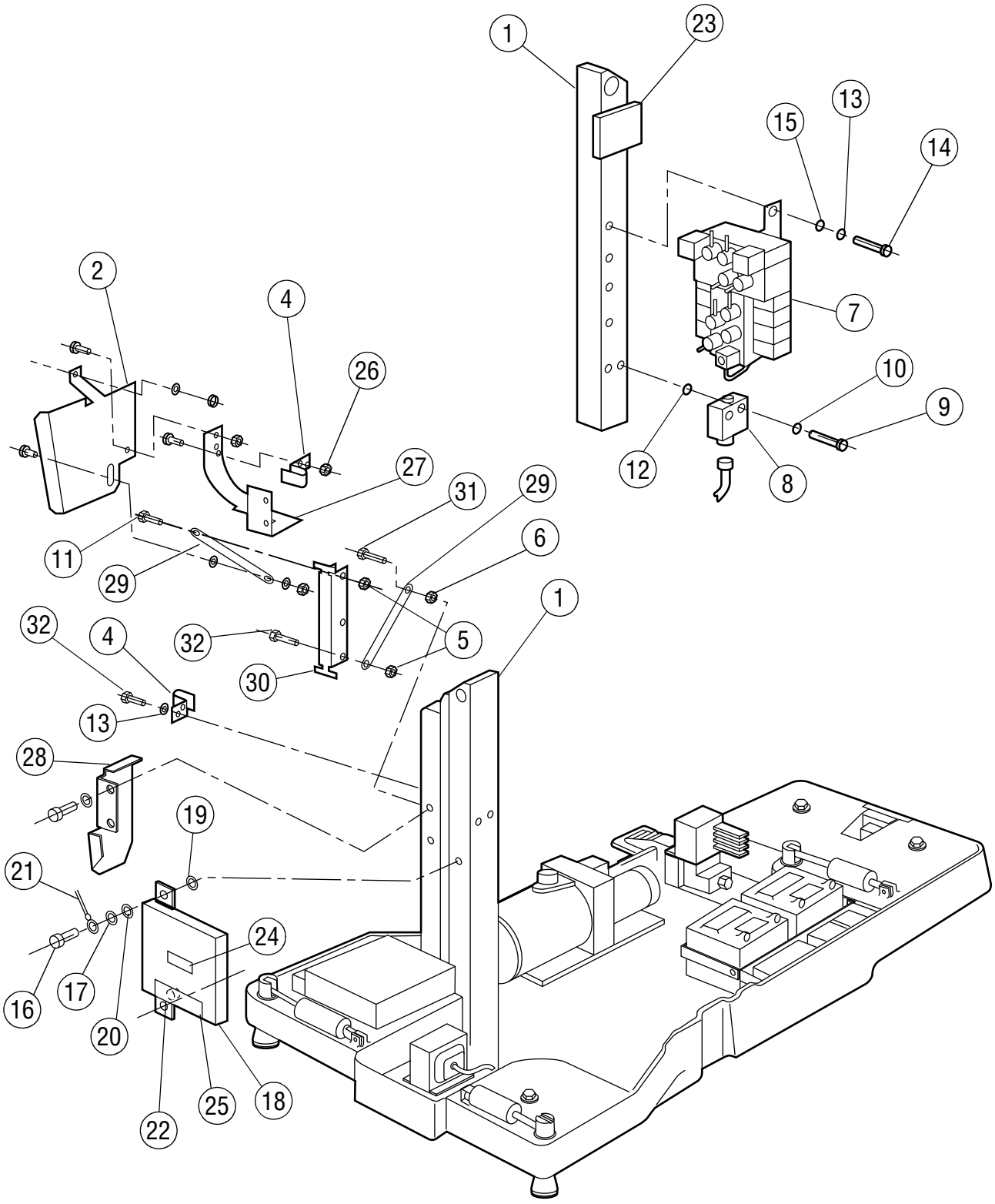


Figure 4. 3085 SP (IPX4) Surgical Table Base Assembly, Column Mounted Parts

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
4-					**3085 SP (IPX4) Surgical Table Base Assembly, Column Mounted Parts**	**X**
1					COLUMN ASSEMBLY (see Figure 7 and Figure 8)	1
2	P	141210	442		HOSE, Guide	1
3					NOT USED	
4	P	056397	373		CLAMP, Hose	2
5	P	008646	061		NUT, Hex #10-24	2
6	P	002960	042		NUT, Hex #10-32	2
7					ASSEMBLY, Control Block (see Figure 23)	1
8	P	134469	149		ASSEMBLY, Column Flange	1
9	P	091521	091		SCREW, Socket Head Cap, 1/4-20 x 2-1/4 .	4
10	P	026962	061		LOCKWASHER, 1/4, Internal Tooth	2
11	P	027690	041		SCREW, Truss Head #10-24 x 3/4	2
12	P	129359	667		O-RING	2
13	P	019677	041		LOCKWASHER, #10	5
14	P	041012	061		SCREW, Socket Head Cap, #10-32 x 1/2	4
15	P	017589	045		WASHER, Flat, #10	4
16	P	093908	037		SCREW, Sems, #8-32 x 1/2	2
17	P	084114	003		WASHER, Flat, #8	2
18	P	146655	481		ASSEMBLY, Control PC Board Housing	1
19	P	027324	091		WASHER, Flat, Nylon	2
20	P	129360	883		WASHER, Shoulder, Nylon	2
21	P	093909	782		SHIELD, Wire	1
22	P	129360	481		BUMPON	1
23	P	141210	139		ASSEMBLY, Override Control Board Box	1
24	P	093909	410		LABEL, Low Battery Indicator	1
25	P	093909	777		LABEL, Caution.	1
26	P	118442	045		LOCKNUT	5
27	P	134469	349		SUPPORT, Hose	1
28	P	141210	088		HOSE, Guide Support	1
29	P	093909	778		LINK, Hose Hanger	2
30	P	093909	217		HANGER, Hose	1
31	P	081667	003		SCREW, Machine Hex Head, #10-32 x 1-1/4	1
32	P	012538	061		SCREW, Button Head Cap, #10-32 x 1/4	2

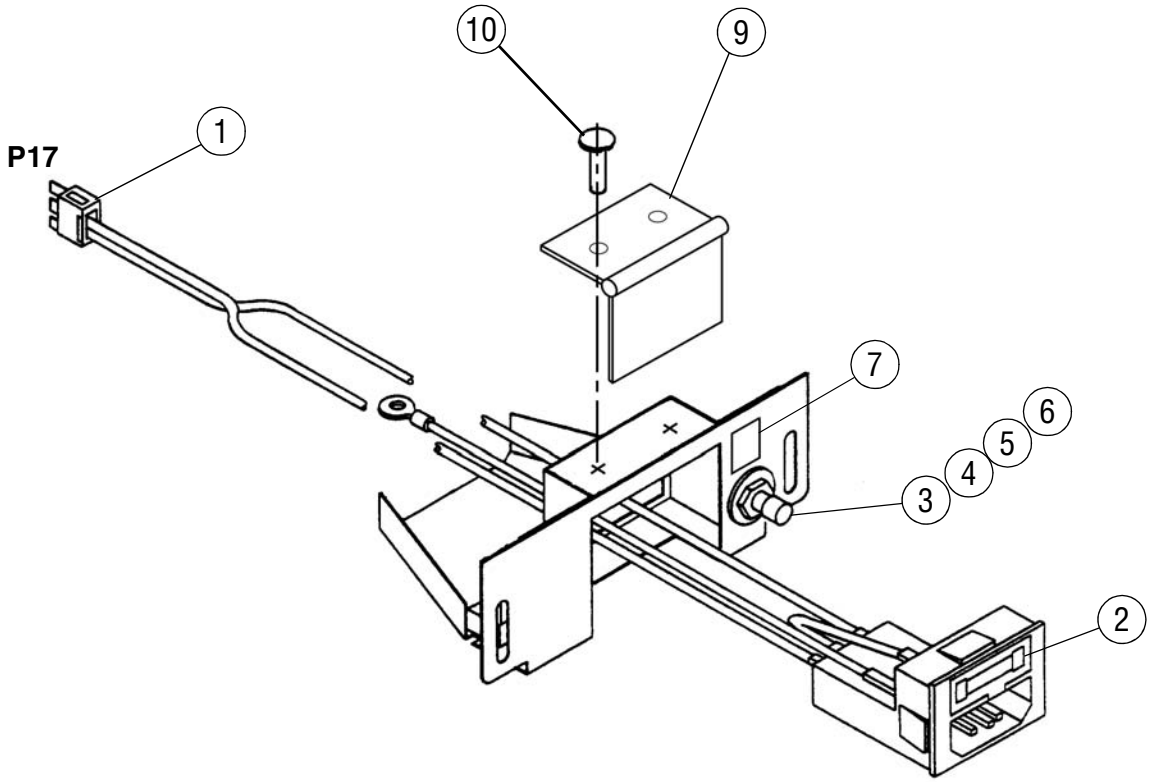


Figure 5. AC Plate Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
5-		**755717**	**297**		**AC Plate Assembly, w/o Labels and Cover (P17)**	**X**			
					AC Plate, Related Parts List		**X**		
1	P	136807	030		ASSEMBLY, Power Control Cable (P17).....	1	–		
2	P	150823	292		CARTRIDGE, 6 Amp Fuse (120 VAC Service).....	2	–		
	P	129360	587		FUSE, 4 Amp (IEC) (French, Spanish, German 220V)	–	2		
3	P	129360	371		PLUG, International Grounding.....	1	–		
4	P	129360	373		WASHER, International Color Coded	1	–		
5	P	129360	375		LOCKWASHER, F/M6	1	–		
6	P	129360	451		NUT, Hex, M6 x 1	1	–		
7	P	093909	403		LABEL, Receptacle Ground.....	1	–		
8	P	093909	462		WIRE TIE, #4 (Not Shown).....	5	–		
9	P	056397	855		COVER	1	–		
10	P	075422	091		SCREW, SS Truss Head, #6-32 x 1/4	2	–		
11	R	005300	567		RTV, #108 (Not Shown).....	A/R	A/R		
12	P	764324	271		CORD, Power, with Velcro Strap (Not Shown, see Figure 3).....	–	1		

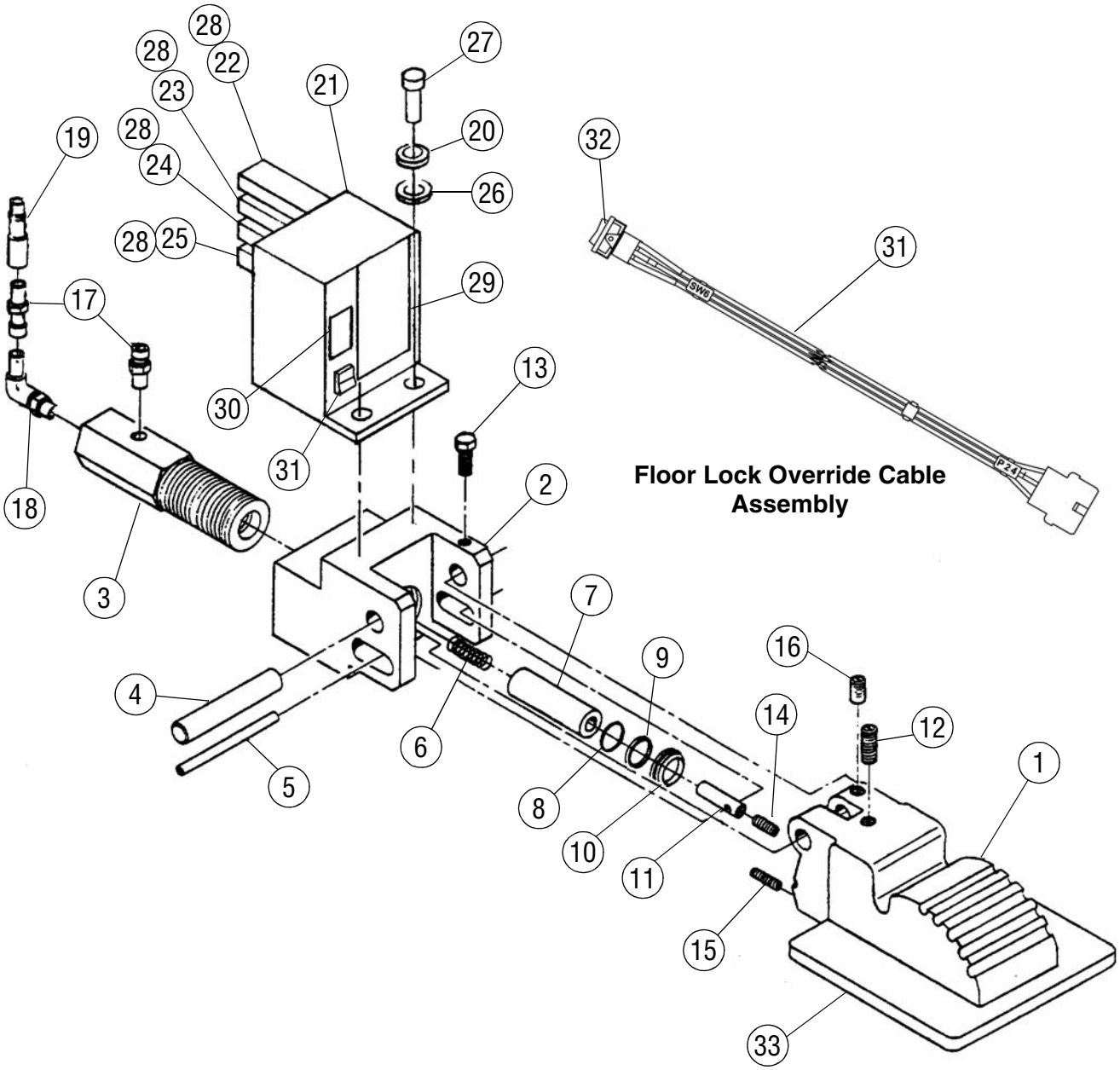


Figure 6. Foot Pump Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
6-	**P**	**146653**	**789**		**Foot Pump Assembly** ..... **Foot Pump, Related Parts List**	**X**	**X**		
1	P	136807	013		PEDAL, Painted	1	–		
2	P	136807	008		BRACKET, Pump	1	–		
3	P	136807	006		BODY, Pump	1	–		
4	P	129360	462		ROD, Pedal	1	–		
5	P	150830	378		PIN, Push	1	–		
6	P	129360	464		SPRING, Compression	1	–		
7	P	136807	009		PLUNGER	1	–		
8	P	043489	091		O-Ring	1	–		
9	P	129360	463		RING, Back-up	1	–		
10	P	129360	479		RING, Wiper	1	–		
11	P	093909	373		ROD, Push	1	–		
12	P	080001	091		SETSCREW, Nylock, 1/4-20 x 1/2	1	–		
13	P	083443	001		SETSCREW, Hexhead, 1/4-20 x 1/2, Nylon	1	–		
14	P	042617	045		SETSCREW, #6-32 x 1/4	1	–		
15	P	031276	061		SETSCREW, #10-32 x 1/2	2	–		
16	P	004772	045		SETSCREW, 1/4-20 x 1/4	1	–		
17	P	093909	512		VALVE, Check	2	–		
18	P	129360	335		FITTING, Hydraulic	1	–		
19	P	129360	569		FITTING, Hydraulic	1	–		
20	P	081673	006		WASHER, Flat, 1/4	1	1		
21	P	134469	465		BRACKET, Circuit Breaker	–	1		
22	P	056397	408		BREAKER, Circuit, 20 Amp	–	1		
23	P	056397	356		BREAKER, Circuit, 12 Amp	–	1		
24	P	093909	320		BREAKER, Circuit, 1 Amp	–	1		
25	P	093909	321		BREAKER, Circuit, 4 Amp	–	1		
26	P	019678	045		LOCKWASHER, 1/4	–	4		
27	P	002792	045		SCREW, Socket Head Cap, 1/4-20 x 1/2	–	2		
28	P	129360	372		BUTTON, Seal Reset	–	4		
29	P	056397	659		LABEL, Circuit Breaker	–	1		
30	P	093909	402		LABEL, Auxiliary Floor Lock	–	2		
	P	129360	898		LABEL, Auxiliary Floor Lock (French, Spanish, German 220V)	–	2		
31	P	134469	092		ASSEMBLY, Override (**P22** Floor Lock)	–	1		
32	P	056397	198		• SWITCH, Override (Only)	–	1		
33	P	093909	734		LABEL, Manual Pump	–	1		

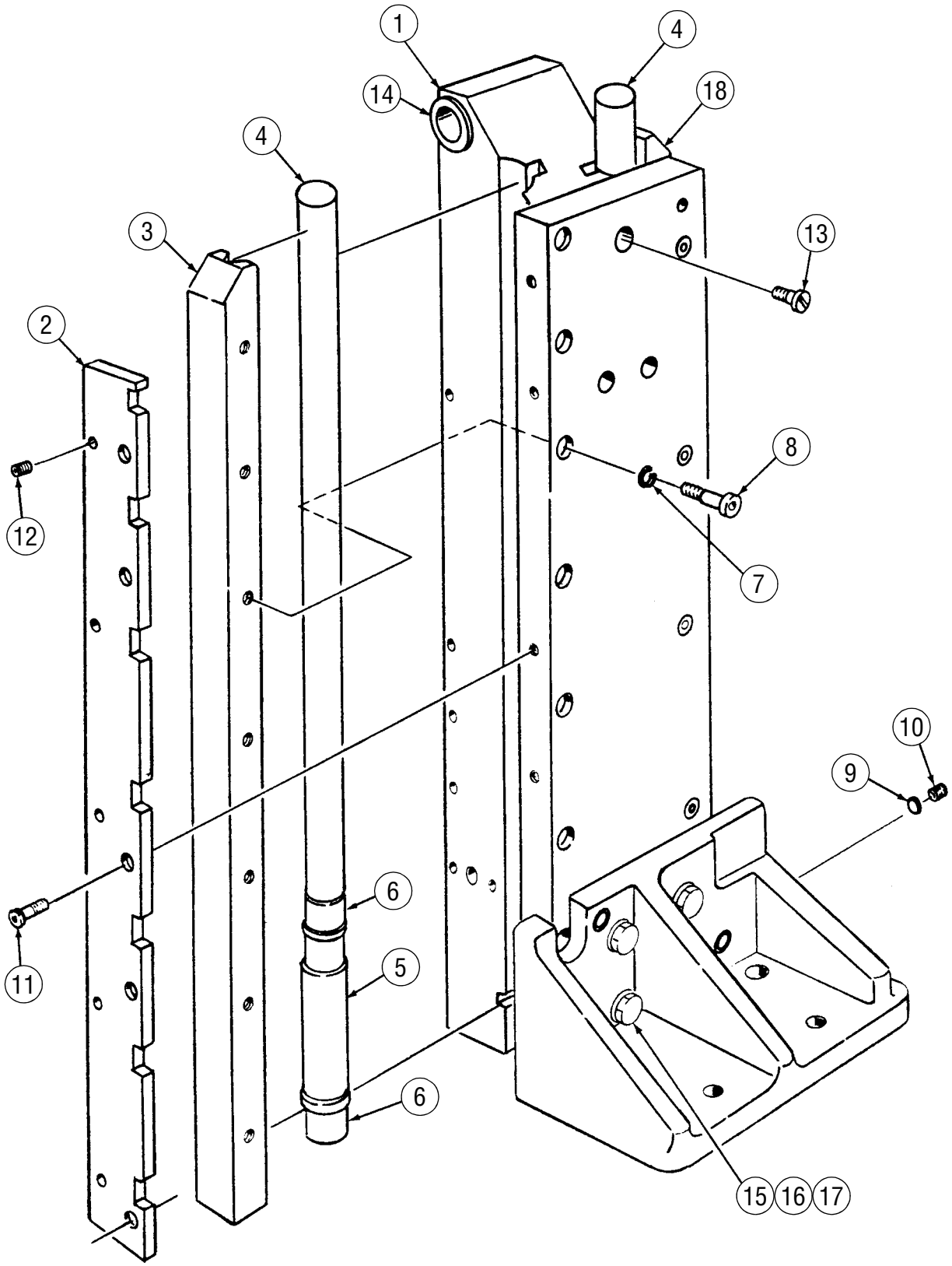


Figure 7. Column Assembly (1 of 2)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
7-					**Column Assembly (Part 1 of 2) S/N Before B413304015 .....** **Column Assembly (Part 1 of 2) S/N After B413304015 .....**	**X**	**X**		
1					BLOCK, Stage	1	1		
2	P	146653	433		GUIDE, Column, Pressure Plate.....	1	–		
3	P	146653	432		SUPPORT, Right Hand.....	1	1		
4	P	093908	595		GUIDE, Shaft	2	2		
5	P	129359	859		OILER, Column.....	2	2		
6	P	129359	671		BEARING.....	4	4		
7	P	129359	878		WASHER, Flat	7	7		
8	P	129359	687		SCREW, Cap, Hexhead, 1/2-20 x 1-3/4	7	7		
9	P	022436	091		PLUG, Nylon Rod, 5/32 Dia. x 5/32	1	1		
10	P	010585	041		SETSCREW, Cup Point, #10-32 x 1/4.....	1	1		
11	P	129352	751		SCREW, Buttonhead Socket, #10-24 x 1/2	5	–		
12	P	043282	091		SETSCREW, #10-32 x 5/16.....	5	–		
13	P	129359	690		FASTENER, Self-Sealing, #1/4-20 x 1/4 (Bleed Screw).....	1	1		
14	P	129359	882		BEARING, Olite	2	2		
15	P	129359	679		SCREW, Hexhead, 3/8-24 x 1-1/2.....	3	3		
16	P	019680	041		WASHER, Helical Spring, 3/8.....	3	3		
17	P	017263	042		WASHER, Flat, 3/8	3	3		
18	P	146653	431		SUPPORT, Left Hand.....	1	1		

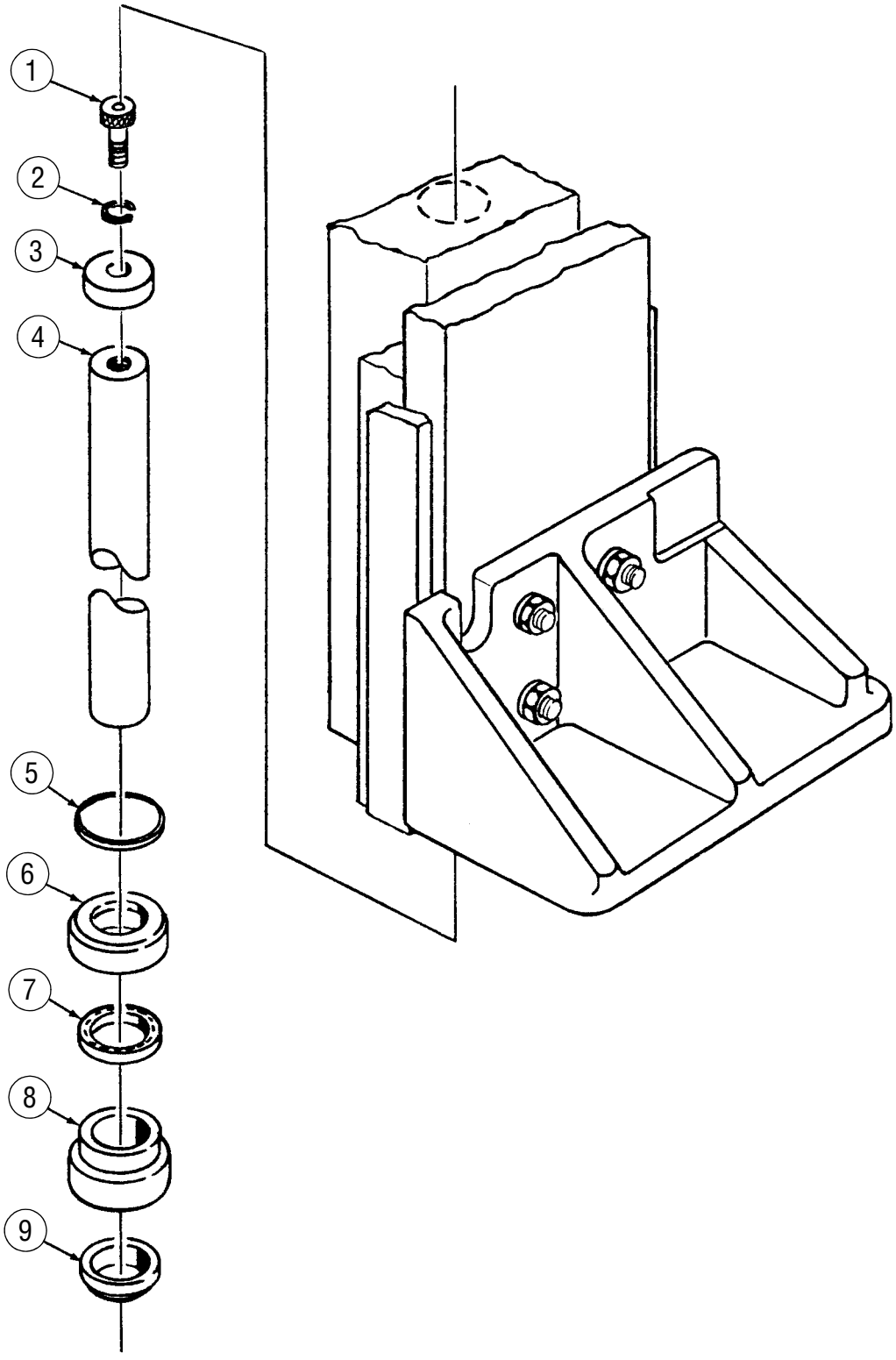


Figure 8. Column Assembly (2 of 2)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
8-					**Column Assembly (Part 2 of 2)**	**X**			
	P	**764324**	**901**	*	**KIT, Column Cylinder Seal**		**X**		
1	P	016868	041		SCREW, Socket Head Cap, 3/8-16 x 1	2	2		
2	P	019680	041		WASHER, Helical Spring, 3/8	1	1		
3	P	056397	238		CAP, Stop	1	1		
4				*	RAM	–	–		
5	P	129359	691		O-RING	1	1		
6	P	093908	577		BLOCK, Bearing	1	1		
7				*	SEAL, Reciprocating	–	–		
8	P	093908	591		NUT, Ram, #2-16 UNF	1	–		
9	P	129359	838		WIPER-SCRAPER	2	2		
10	P	764324	884		SPANNER WRENCH (Not Shown)	A/R	–		
11	P	129359	690		FASTENER, Self Sealing (1/4-20 x 1/4, Bleed Screw; see Figure 7)	–	1		
12	P	764322	636		KIT, Hydraulic Oil (Not Shown)	1	A/R		

* *Whenever replacing seals or ram, replace all parts with Ram/Seal Kit (P764324-901). Spanner wrench required (P764324-884).*

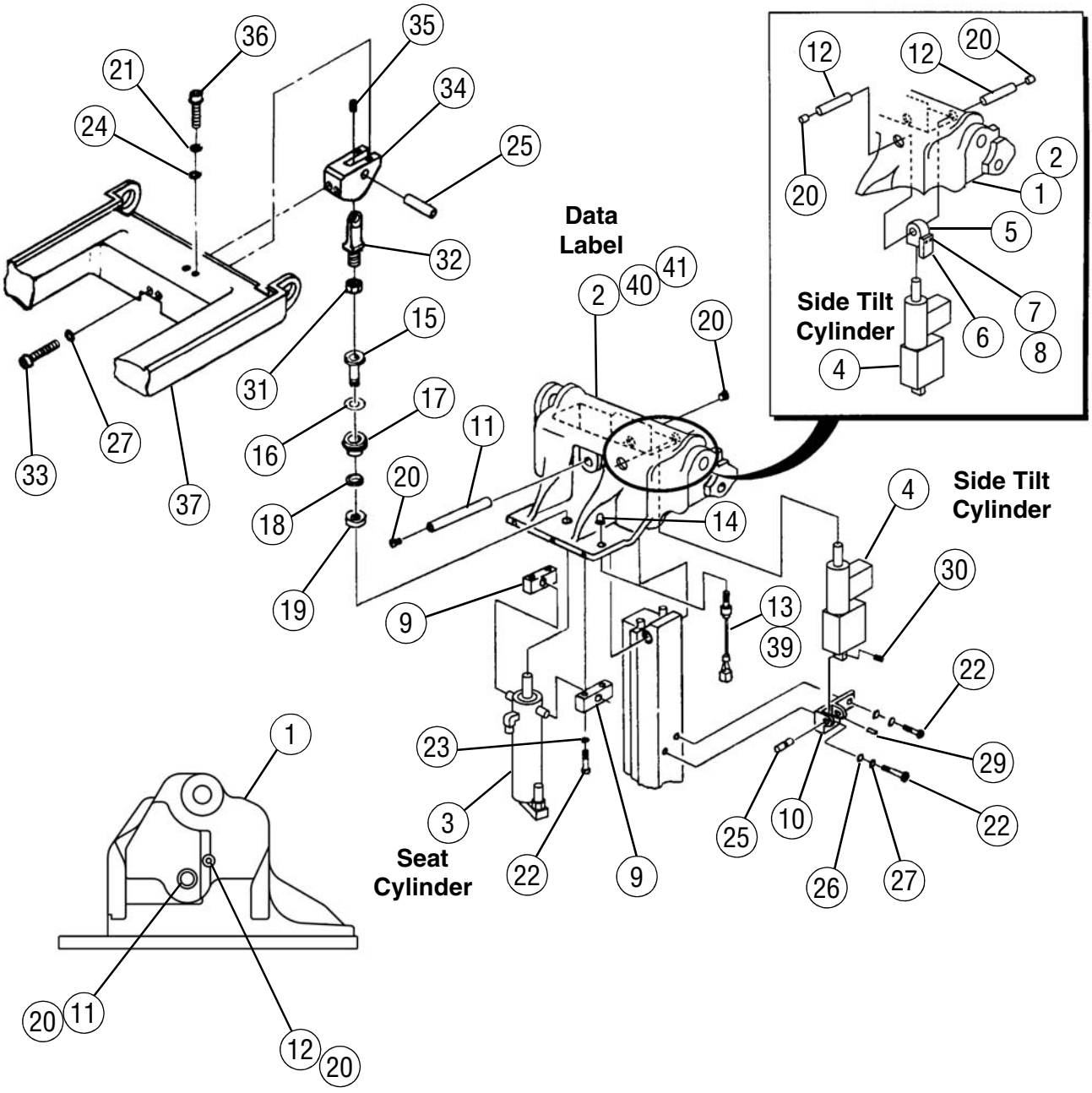


Figure 9. Table Saddle Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
9-					**Table Saddle Assembly (S/N Before B409804078)**	**X**			
					Table Saddle Assembly (S/N After B409804078)		**X**		
1					SADDLE (*Not a Service Replacement Part*)	–	1		
2					SADDLE (*Not a Service Replacement Part*)	1	–		
3					CYLINDER, Hydraulic (Seat; see Figure 21)	1	1		
4					CYLINDER, Tilt (see Figure 21)	1	1		
5	P	150823	750		• KNUCKLE, Tilt Cylinder	1	1		
6	P	150823	744	*	• LOCKING PLATE	1	1		
7	P	150830	154		• WASHER, Belleville, M5	1	1		
8	P	150830	153		• SCREW, Socket Head, M5 x 20	2	2		
9	P	093908	663		PAD, Pivot Mounting	2	2		
10	P	134469	346		BRACKET, Tilt Cylinder	1	1		
11	P	129359	680		PIN	1	1		
12	P	129359	850		PIN, Clevis, 3/8 Dia. x 2	2	2		
13	P	136807	080	**	ASSEMBLY, Limit Switch (**P28 to Control Box**)	1	–		
	P	129360	553	**	• SWITCH, Back (**LS4**)	1	–		
14	P	129360	582	**	BOOT, Pushbutton	1	–		
15	P	093909	411		ADAPTER	1	1		
16	P	150823	518		PAD, Adapter	1	1		
17	P	056397	399		RING	1	1		
18	P	150823	517		RING, Wiper	1	1		
19	P	056397	401		NUT	1	1		
20	P	129360	580		PLUG, Pipe	4	4		
21	P	019678	045		LOCKWASHER, 1/4	4	4		
22	P	150830	009		SCREW, Socket Head Cap, 5/16-18 x 1-1/2	6	6		
23	P	019691	061		LOCKWASHER, 5/16	4	4		
24	P	049134	061		WASHER, Flat, 1/4	2	2		
25	P	129360	175		PIN, Dowel, 3/8 x 1-1/2	2	2		
26	P	150473	296		WASHER, Flat, 5/16	2	2		
27	P	081682	008		LOCKWASHER, 5/16	2	2		
28					NOT USED				
29	P	045605	061		PIN, Roll, 1/4 x 3/4	1	1		
30	P	036883	061		SETSCREW, Cup Point, #10-32 x 3/8	1	1		
31	P	016055	045		NUT, Jam, 1/2-20	1	1		
32	P	129359	737		KNUCKLE, Seat Lift Cylinder	1	1		
33	P	091521	091		SCREW, Socket Head Cap, 1/4-20 x 2-1/4	2	2		
34	P	136806	496		CLEVIS, Seat Section	1	1		
35	P	052004	061		SETSCREW, Cup Point, #10-32 x 1/4	1	1		
36	P	011266	045		SCREW, Socket Head Cap, 1/4-20 x 1	2	2		
37	P	764328	196		FRAME, Seat Section	1	1		
38	P	093909	795		LABEL, Warning (Electric Table Only; Not Shown)	1	1		
39	P	150476	930	**	BASE, Mounting Cable	1	–		
40	P	093909	375		LABEL, Patent	1	1		
41					LABEL, Data Label (S/N Data Plate)	1	1		
					** Use Loctite 262 (R5300-890) on locking side plate screws.*				
					*** The Seat Section Limit Switch will be on S/N before B431004011.*				

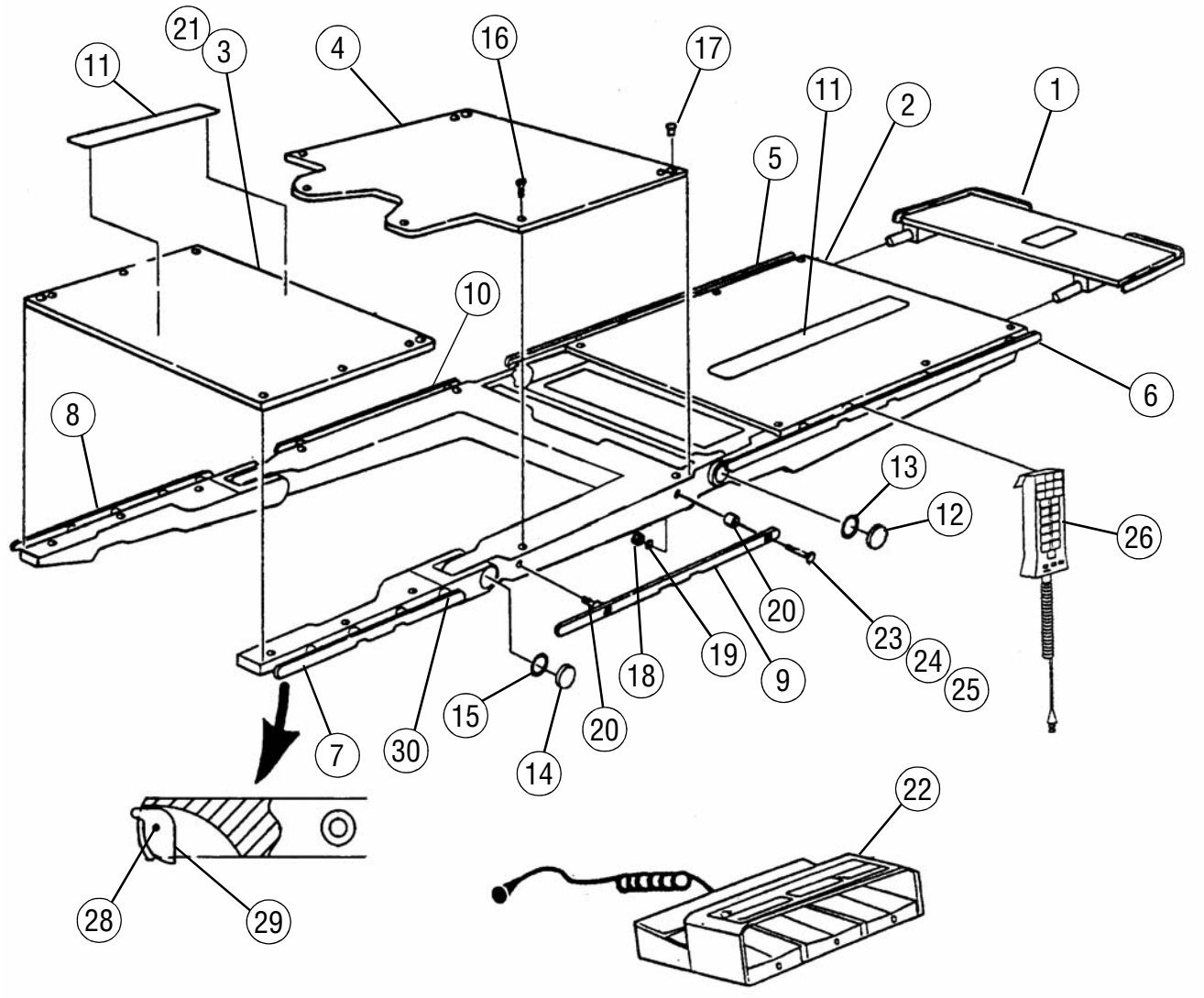


Figure 10. Table Tops and Side Rail Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
10-					**Table Tops and Side Rail Assembly**	**X**
1	P	141210	530		ASSEMBLY, Headrest (see Figure 16)	1
2	P	764324	054		TOP, Back Section	1
3	P	764324	055		TOP, Leg Section	1
	P	093909	539		TOP, Leg Section (Andrews Frame)	1
4	P	764324	056		TOP, Seat Section	1
5	P	056397	213	***	RAIL, Side, Back Section, Right Hand	1
6	P	056397	214	***	RAIL, Side, Back Section, Left Hand	1
7	P	056397	206	***	RAIL, Side, Leg Section, Left Hand	1
	P	093909	537	***	RAIL, Side, Leg Section, Left Hand (Andrews Frame)	1
8	P	056397	205	***	RAIL, Side, Leg Section, Right Hand	1
	P	093909	536	***	RAIL, Side, Leg Section, Right Hand (Andrews Frame)	1
9	P	056397	210	***	RAIL, Side, Seat Section, Left Hand	1
10	P	056397	209	***	RAIL, Side, Seat Section, Right Hand	1
11	P	764329	992		KIT, Hook Fastener (5 Feet)	1
12	P	093909	366	*	CAP, Pivot, 1-7/8	2
13	P	129360	171	*	TAPE, Adhesive, Pivot	2
14	P	129360	172	**	CAP, Pivot, 3	2
15	P	129359	894	**	TAPE, Adhesive, Pivot	2
16	P	021580	061		SCREW, Truss Head, 1/4-20 x 1	16
17					INSERT (*Not Service Part* - Included in Items 2, 3 and 4)	6
18	P	036545	061		NUT, Hex, 5/16-18	20
19	P	091147	061		LOCKWASHER, External Tooth, 5/16	20
20	P	150823	276		SPACER, Side Rails, 9/16	20
21	P	075664	061		SCREW, Machine, Countersunk (Andrews Frame)	6
22	P	093909	527		FOOT CONTROL	1
23	P	042637	056		SCREW, Flat Head 5/16-18 x 1-1/2	18
24	P	150823	273		SCREW, Flat Head 5/16-18 x 2	1
25	P	150823	274		SCREW, Flat Head 5/16-18 x 2-1/2 (Wide X-Ray Top)	1
26	P	141210	318		HAND CONTROL, 3085 SP (Red Plug)	1
					REPAIR KITS:	
	P	764328	572		• KIT, Control Housing With Bracket	1
	P	764325	633		• PC BOARD Replacement	1
	P	764328	571		• KIT, Control Cord Replacement	1
	P	141210	367		HAND CONTROL, Hermes-Ready (Blue Plug)	A/R
					REPAIR KITS:	
	P	764333	130		• KIT, 3080/3085 H.C. PC Board, Hermes	A/R
	P	764333	131		• KIT, 3080/3085 H.C. Cord Replacement, Hermes/ACT Interface	A/R
	P	764333	132		• KIT, 3080/3085 H.C. Control Housing With Bracket, Hermes	A/R
	P	146664	103		HAND CONTROL, ACT Interface (Blue Plug)	A/R
					REPAIR KITS:	
	P	764333	133		• KIT, 3080/3085 H.C. PC Board, ACT Interface	A/R
	P	764333	131		• KIT, 3080/3085 H.C. Cord Replacement, Hermes/ACT Interface	A/R
	P	764333	135		• KIT, 3080/3085 H.C. Control Housing With Bracket, ACT Interface	A/R

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
10-					**Table Tops and Side Rail Assembly (Cont'd)**	**X**			
27	P	129360	589		PADS, Set, 2" (Not Shown)				
	P	136806	811		•PAD, Leg Section, 2" (Not Shown)	1			
	P	136806	813		•PAD, Head Section, 2" (Not Shown).....	1			
	P	136806	815		•PAD, Back/Seat Section (Not Shown)	1			
	P	150830	176		PAD SET, TLT (Not Shown)	1			
	P	150830	175		•PAD, TLT Head Section (Not Shown).....	1			
	P	150830	173		•PAD, TLT Back/Seat Section (Not Shown).....	1			
	P	150830	174		•PAD, TLT Leg Section (Not Shown)	1			
28	P	043224	061		PIN, Roll, 3/32 x 3/8				
29	P	051112	061		CAM, Side Rail				
30	P	009645	061		SCREW, Drive.....				

** Items 12 and 13 should be ordered together.*
*** Items 14 and 15 should be ordered together.*
**** Items 28, 29 and 30 are included in Items 5 through 10.*

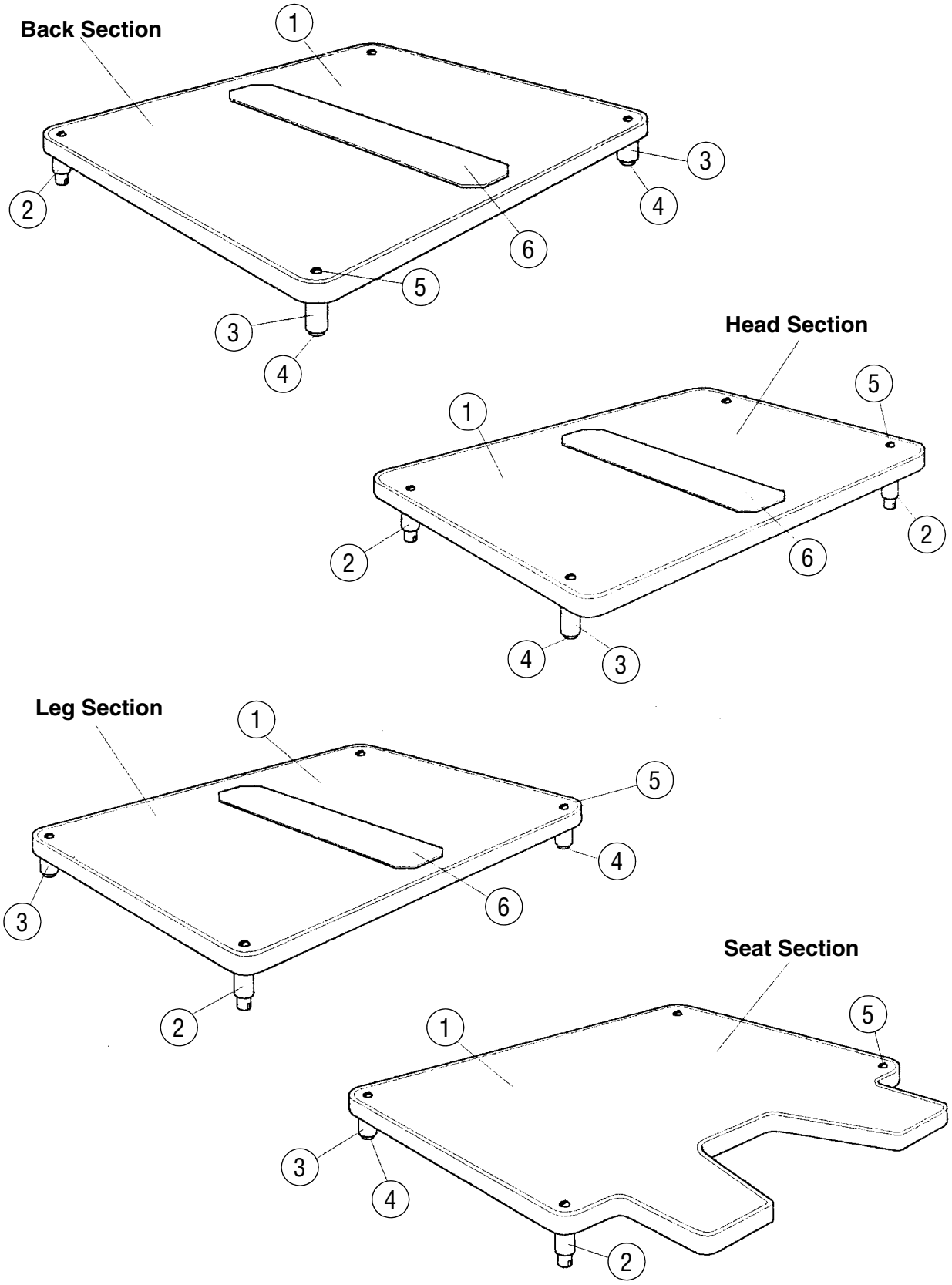


Figure 11. Standard X-Ray Top Assemblies

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
11-	**P**	**136807**	**044**		**Standard X-Ray Top Assembly, Back Section**	**X**			
	P	**136807**	**045**		**Standard X-Ray Top Assembly, Head Section**		**X**		
	P	**136807**	**042**		**Standard X-Ray Top Assembly, Leg Section**			**X**	
	P	**136807**	**043**		**Standard X-Ray Top Assembly, Seat Section**				**X**
1	P	093909	289		X-RAY TOP, Back Section	1	–	–	–
	P	093909	286		X-RAY TOP, Head Section	–	1	–	–
	P	093909	287		X-RAY TOP, Leg Section	–	–	1	–
	P	093909	288		X-RAY TOP, Seat Section	–	–	–	1
2	P	093909	299		ASSEMBLY, Spacer	2	2	2	2
3	P	077643	056		SPACER	2	2	2	2
4	P	129360	481		BUMPON	2	2	2	2
5	P	150055	001		SCREW, Truss Head, 1/4-20 x 7/8	4	4	4	4
6	P	764329	992		KIT, Hook Fastener (5 Feet)	A/R	A/R	A/R	A/R

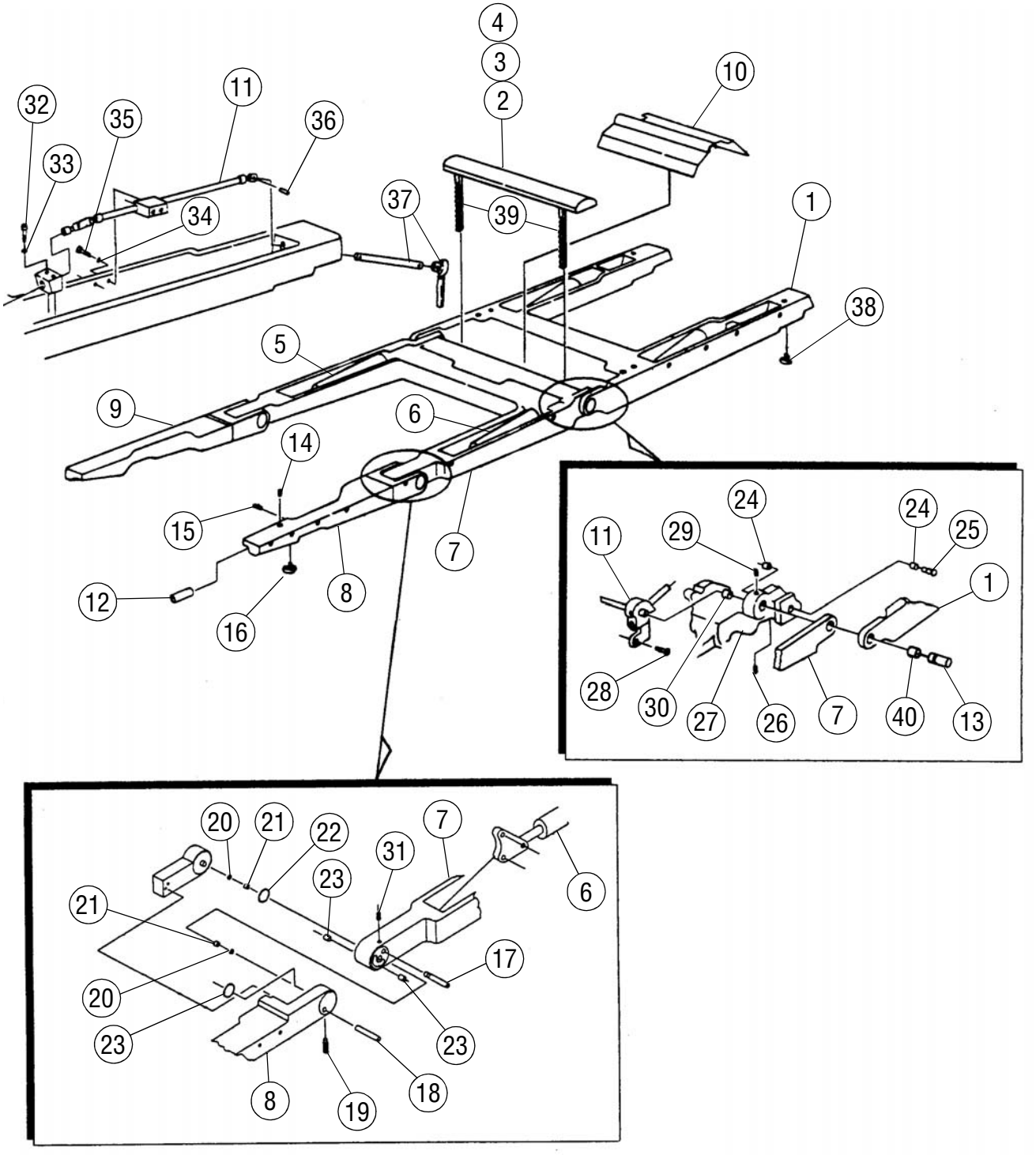


Figure 12. Tabletop Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
12-					**Tabletop Assembly**	**X**
1					ASSEMBLY, Back Section (see Figure 13)	1
2	P	136807	076		ASSEMBLY, Kidney Bridge and Rack	1
3	P	003952	041		SCREW, Roundhead, Machine, 1/4-20 x 1/2	2
4	P	003999	041		SCREW, Roundhead, Machine, 1/4-20 x 5/8	2
5					CYLINDER ASSEMBLY, Leg, Right-Hand (see Figure 21)	1
6					CYLINDER ASSEMBLY, Leg, Left-Hand (see Figure 21)	1
7					ASSEMBLY, Seat Section (see Figure 15)	1
8					ASSEMBLY, Leg Section, Left Side (see Figure 15)	1
9					ASSEMBLY, Leg Section, Right Side (see Figure 15)	1
10	P	146653	959		COVER, Saddle	1
11	P	146653	926		ASSEMBLY, Kidney Bridge Shaft (see Figure 17)	1
12	P	093909	431		BEARING, Mounting.	2
13	P	129359	689		PIN, Pivot	2
14	P	090348	061		PIN, Roll, 1/8 x 3/8	2
15	P	035139	061		SETSCREW, Cup Point, #6-32 x 1/4	2
16	P	077559	056		ASSEMBLY, Knob	2
17	P	129359	746		PIN, 5/8 Diameter x 2-1/2	2
18	P	129359	738		PIN, 9/16 x 3 Modified	2
19	P	150763	001		SETSCREW, Half Dog, #8-32 x 1/4	4
20	P	129359	748		WASHER, Thrust	4
21	P	129359	750		BEARING, Sleeve	4
22	P	129360	162		ASSEMBLY, Hinge Seal	4
23	P	129359	740		SPACER, Pin	4
24	P	093908	827		BEARING, Nylon Flange	4
25	P	129359	693		PIN	2
26	P	015263	091		SETSCREW, Cone Point, 1/4-20 x 1/4	2
27					SADDLE (*Not Service Part*)	1
28	P	074117	061		SCREW, Socket Head Cap, 1/4-20 x 3/8	2
29	P	129360	581		SETSCREW, Cup Point, 1/4-20 x 1/2	2
30	P	129360	579		BEARING	2
31	P	010585	041		SETSCREW, Cup Point, #10-32 x 1/4	5
32	P	129360	694		SCREW, Socket Head Cap, #8-32 x 1-1/2	2
33	P	019690	061		LOCKWASHER, #8, SS	2
34	P	046115	091		LOCKWASHER, #10	2
35	P	129361	221		SCREW, Roundhead, #10-32 x 1/2	2
36	P	041511	061		PIN, Groove, 5/32 x 5/8	1
37	P	093909	474		ASSEMBLY, Kidney Bridge Handle (see Figure 18)	1
38	P	093909	192		KNOB, 5/16-18	2
39	P	129359	653		RACK, Kidney Bridge	2
40	P	093908	828		BEARING	4

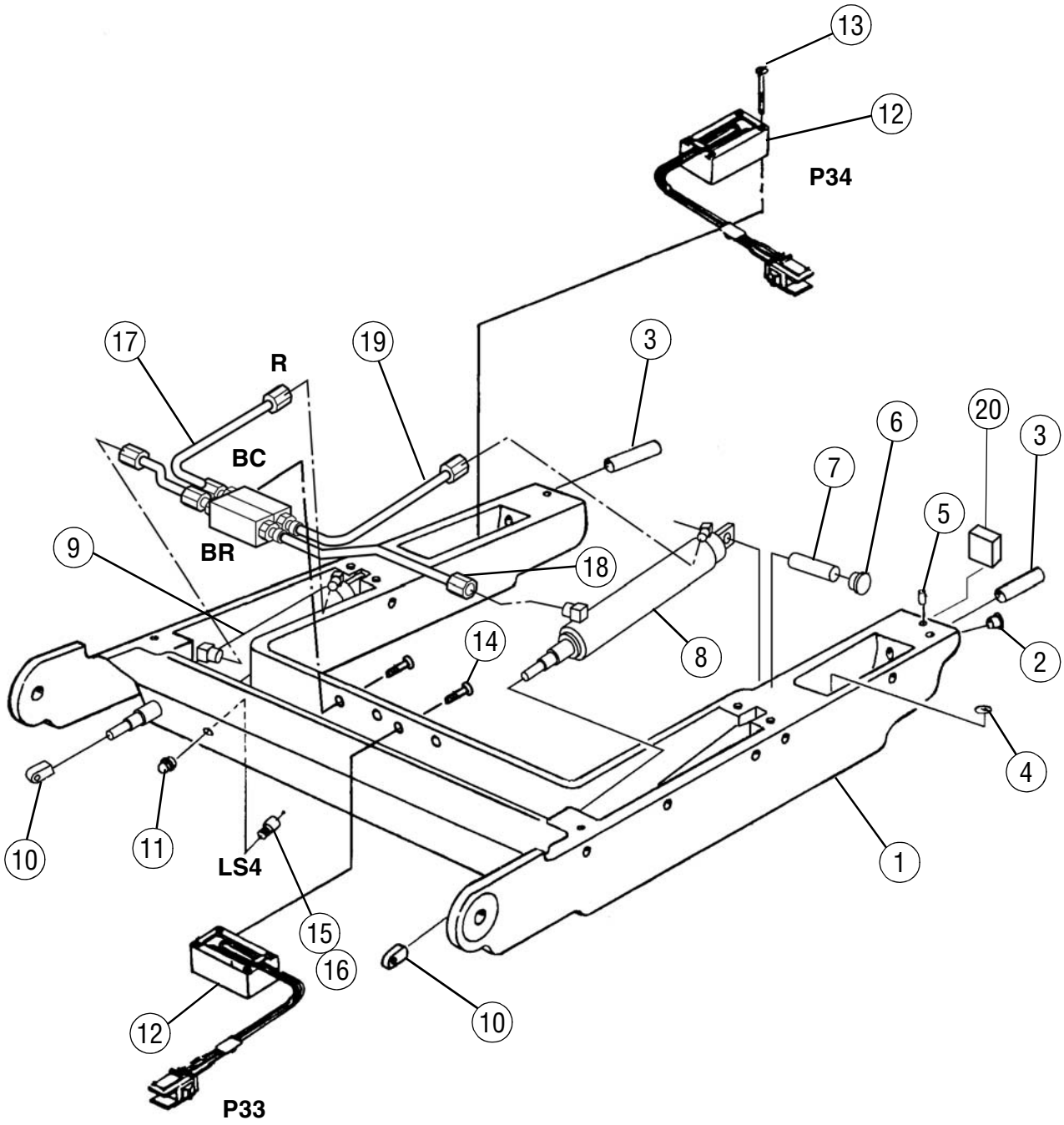


Figure 13. Back Section Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
13-					**Back Section Assembly**	**X**
1	P	764330	136		KIT, Back Section Assembly	1
2				*	• BEARING, Olite	1
3				*	• BEARING, Headrest Mounting	4
4	P	129360	483		• STICKER, Natural Ground	1
5	P	090348	061		• PIN, Roll, 1/8 x 3/8	4
6	P	150823	198		• PLUG, Button	2
7	P	150823	203		• PIN, Dowell 3/8" Dia. x 2-1/2	2
8					CYLINDER, Hydraulic (Back Section, Left-Hand - see Figure 21)	1
9					CYLINDER, Hydraulic (Back Section, Right-Hand - see Figure 21)	1
10	P	129359	652		CLEVIS, Cylinder	2
11	P	129360	582		BOOT, Pushbutton	2
12	P	134469	492		ASSEMBLY, Mercury Switch (**P33, P34 and P35**)	2
13	P	118407	045		SCREW, Pan Head #6-32 x 1	4
14	P	081681	003		SCREW, Round Head #6-32 x 1/4	2
15	P	141210	138		ASSEMBLY, Back Section Cable (**LS4, P33, P34, P31, P29**)	1
16	P	129360	888		SWITCH, Back (**LS4**)	1
17	P	056397	268		BLOCK, Distribution	1
18	P	150823	609		HOSE, #4, 225 mm	1
19	P	150823	608		ASSEMBLY, HOSE #4, 370 mm	1
20	P	056397	698		LABEL, Kidney Ratchet	1
					** Not service part, order kit.*	

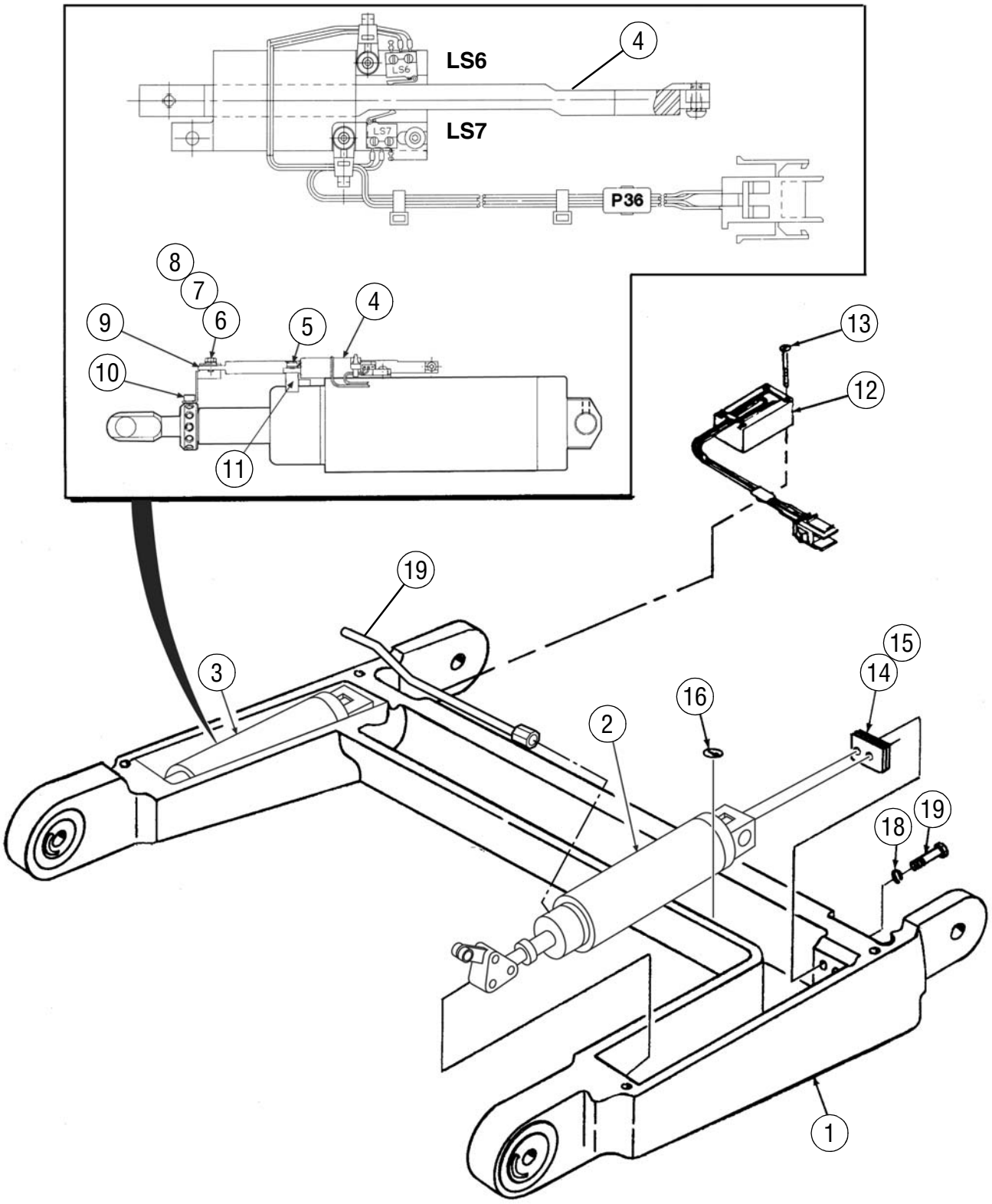


Figure 14. Seat Section Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
14-					**SEAT SECTION ASSEMBLY**	**X**
1	P	764328	196		FRAME, Seat Section	1
2					ASSEMBLY, Leg Cylinder, L.H. (see Figure 21)	1
3					ASSEMBLY, Leg Cylinder, R.H. (see Figure 21)	1
4	P	136807	731		ASSEMBLY, Self Level	1
	P	136807	729		• HARNESS, Switch Assembly (**P36, LS6, LS7**)	1
5	P	129361	758		SCREW, Socket Head Shoulder, #4-40 x 3/16	1
6	P	084116	002		LOCKWASHER, #6, Internal Tooth	1
7	P	084114	002		WASHER, Flat, #6	1
8	P	129361	760		SCREW, Hex Head, #6-32 x 1/4	1
9	P	056397	374		BRACKET, Support Cam	1
10	P	129361	761		SCREW, Socket Head, #8-32 x 1/4	1
11	P	150823	437		SPACER	1
12	P	134469	492		ASSEMBLY, Mercury Switch (**P33, P34 and P35**)	1
13	P	118407	045		SCREW, Pan Head, #6-32 x 1	4
14	P	129359	836		SHIM, 010 Thk	A/R
15	P	129360	498		SHIM, 063 Thk	A/R
16	P	129360	483		STICKER, Natural Ground	2
17	P	012176	041		SCREW, Hex Head, 1/4-20 x 3/4	4
18	P	150620	001		WASHER, Flat, 1/4	4
19	P	150823	397		ASSEMBLY, Hose, Size 4, 290 mm (Seat Section)	1

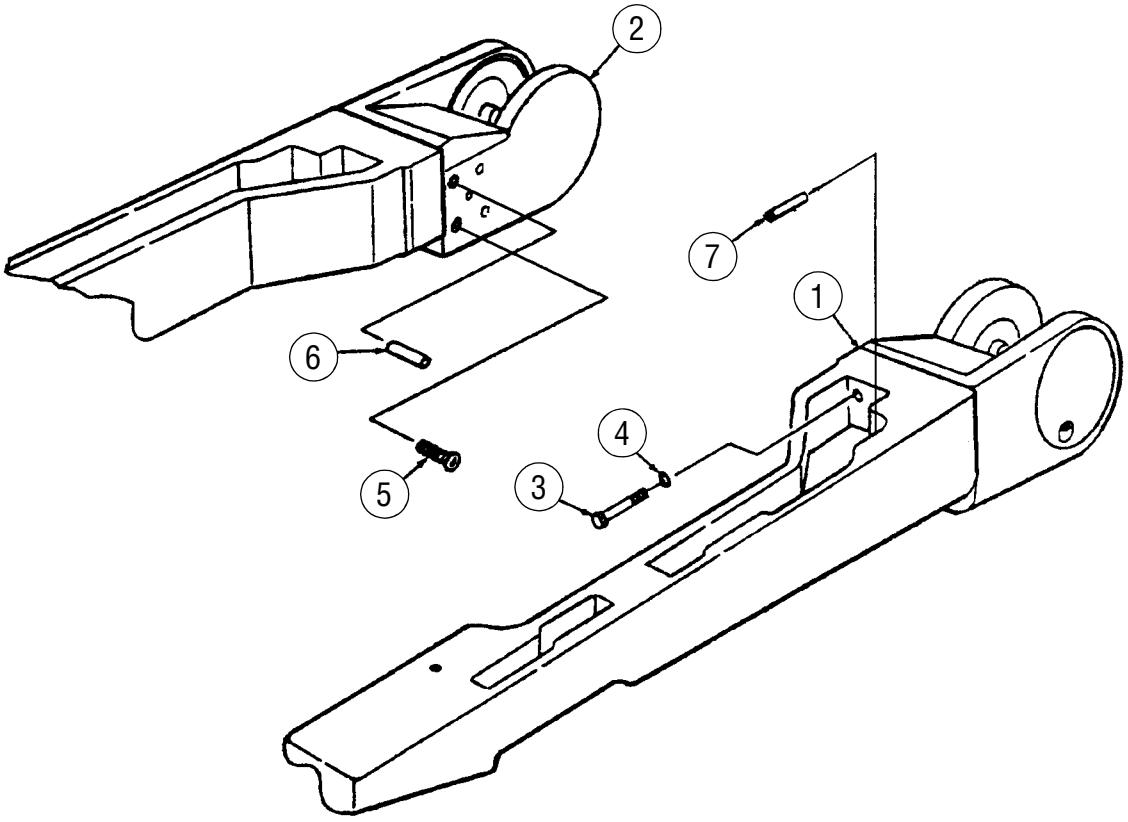


Figure 15. Leg Section Assemblies

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
15-					**Leg Section Assemblies**				
1	P	141210	524		LEG SECTION ASSEMBLY, Left Side	X			
2	P	141210	525		LEG SECTION ASSEMBLY, Right Side		X		
3	P	044746	045		SCREW, Cap, 3/8-16 x 1-1/4	2	2		
4	P	019680	041		WASHER, Helical Spring, 3/8	2	2		
5	P	150823	064		SCREW, Socket Flathead, 1/4-20 x 1	2	2		
6	P	015294	091		PIN, Dowel, 5/16 Diameter x 1	2	2		
7	P	129359	864		PIN, Spiral, 1/4 Diameter	2	2		

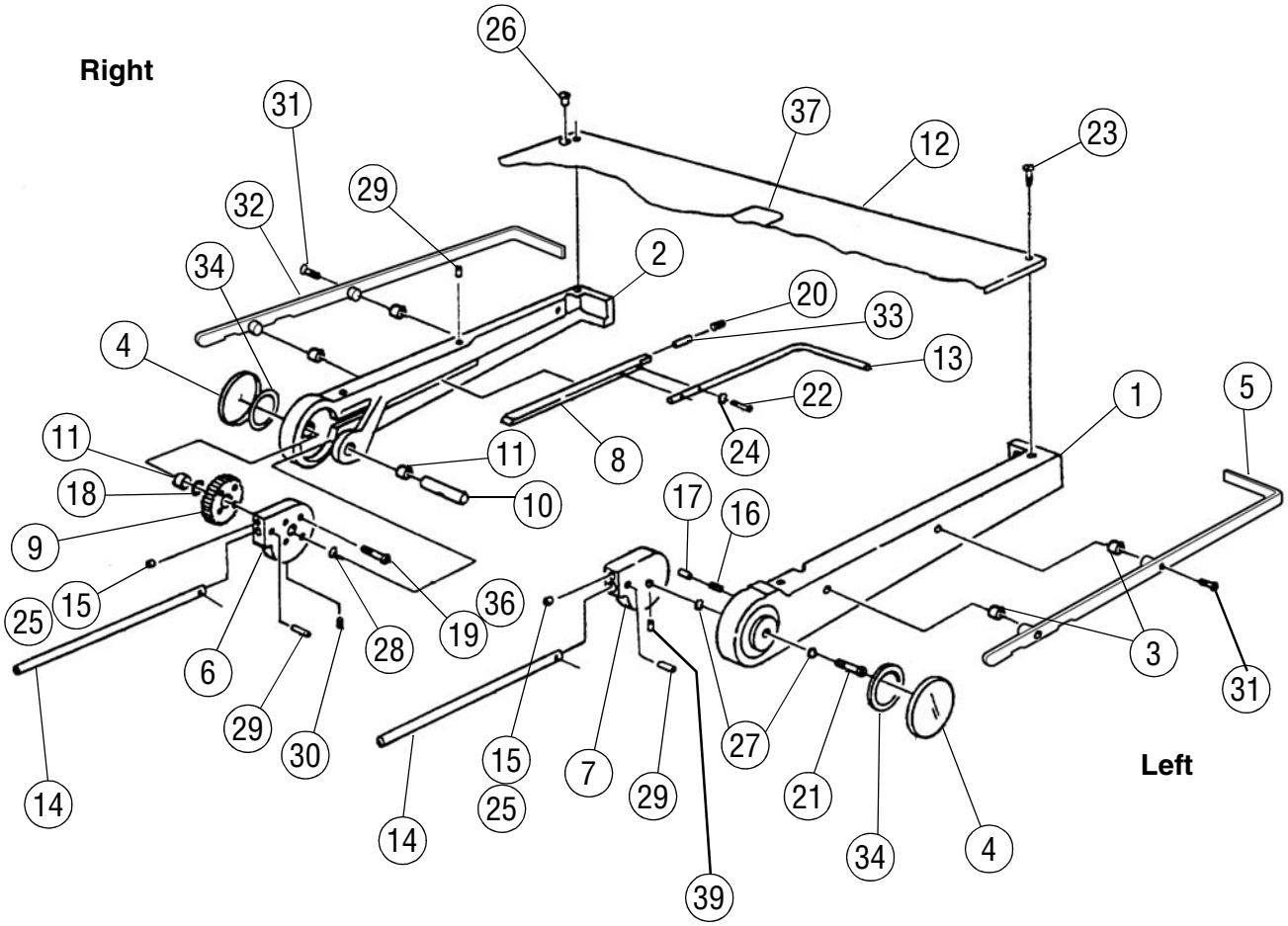


Figure 16. Headrest Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
16-	**P**	**141210**	**530**		**HEADREST ASSEMBLY**	**X**
1	P	764332	915		FRAME, Side, Left Hand	1
2	P	764332	916		FRAME, Side, Right Hand	1
3	P	150823	276		SPACER, Side Rail, 9/16	4
4	P	093909	366		CAP, Pivot	2
5	P	056397	899		ASSEMBLY, Side Rail, Left Hand	1
6	P	134469	348		BLOCK, Support, Right Hand	1
7	P	136806	500		BLOCK, Support, Left Hand	1
8	P	134469	493		PAWL	1
9	P	093909	191		RACHET	1
10	P	129360	253		SHAFT	1
11	P	129360	249		BEARING, Sleeve	2
12	P	093908	590		TOP, Headrest	1
13	P	056397	898		HANDLE	1
14	P	093909	190		SHAFT	2
15	P	129360	230		BUMPER, Rubber	2
16	P	129360	228		SPRING, Compression	4
17	P	129360	229		STOP, Nylon	4
18	P	129360	255		WASHER, Spring	1
19	P	129360	258		BOLT, Shoulder, 8-32 x 1	4
20	P	129360	353		SPRING, Compression	1
21	P	083755	001		BOLT, Shoulder, 5/16-18 x 3/4	4
22	P	081222	001		SCREW, Socket Head Cap, SS, 8-32 x 7/8	2
23	P	150055	001		SCREW, Truss Head, 1/4-20 x 7/8	4
24	P	150473	302		WASHER, SS Flat, #8	4
25	R	005300	557		LOCTITE, Type #495, 1 oz	A/R
26	P	129357	090		INSERT, Top	2
27	P	010456	091		WASHER, Brass Flat, 11/16 OD x .390 ID	A/R
28	P	129360	256		WASHER, Thrust	1
29	P	036565	061		PIN, Roll, 1/8 x 1	3
30	P	031276	061		SETSCREW, Hex Socket, #10-32 x 1/2	1
31	P	129357	095		SCREW, Flat Head Socket, 5/16-18 UNC x 1-1/4	4
32	P	056397	900		ASSEMBLY, Side Rail, Right Hand	1
33	P	129180	173		PIN, Roll	1
34	P	129359	894		TAPE, Adhesive (Pivot)	2
35	R	005300	542		LOCTITE, Type RC/609 (Not Shown)	A/R
36	R	005300	545		LOCTITE, Type #222	A/R
37	P	764329	992		KIT, Hook Fastener (5 Feet)	1
38	R	005300	912		LOCTITE, Primer T (Not Shown)	A/R
39	P	150830	110		SETSCREW, Soft End, 8-32 15/64	1

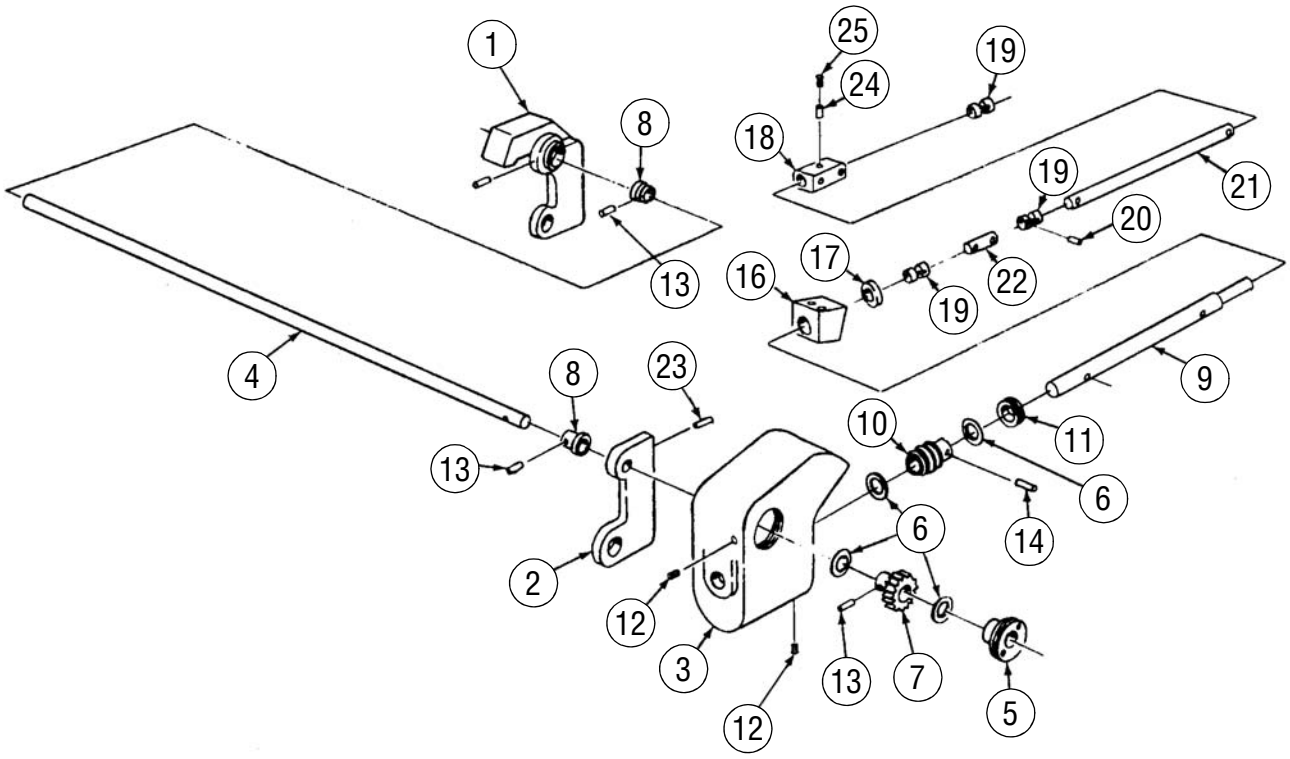


Figure 17. Kidney Bridge Shaft Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
17-	**P**	**146653**	**926**		**KIDNEY BRIDGE SHAFT ASSEMBLY**	**X**
1	P	136806	486		STABILIZER, Right Hand	1
2	P	136806	487		STABILIZER, Left Hand	1
3	P	136806	460		BOX, Gear	1
4	P	093908	584	*	SHAFT, Kidney Bridge Cross, 1/2 Dia. x 15-5/8	1
5	P	016285	042		BEARING	1
6	P	050713	091		BEARING, Thrust	4
7	P	016247	091		GEAR, Worm	1
8	P	015220	045		GEAR, Spur	2
9	P	129359	684	*	SHAFT, Worm End	1
10	P	016234	091		WORM	1
11	P	016186	042		NUT, Adjusting	1
12	P	034518	061		SETSCREW, #8-32 x 1/4	2
13	P	024700	061		PIN, Grooved, 3/16 x 1	3
14	P	030092	061		PIN, Grooved, 5/32 x 3/4	1
15	P	056397	698		LABEL, Kidney Bridge Control (Domestic, Not Shown)	1
	P	056401	598		LABEL, Kidney Bridge Control (French, Spanish, German 220V, Not Shown)	1
16	P	093908	640		BLOCK, Kidney Bridge Linkage	1
17	P	129359	702		BEARING, Spherical	1
18	P	129359	718		BLOCK, Support	1
19	P	020200	045		JOINT, Universal	3
20	P	041511	061		PIN, Groove, 5/32 x 5/8	5
21	P	129359	686	*	SHAFT, 3/8 Dia. x 6-1/4	1
22	P	129359	720		SHAFT, 3/8 Dia. x 1-3/8	1
23	P	045591	061		PIN, Roll, .103 Dia. x 1/2	2
24	P	129360	230		BUMPER, Rubber	1
25	P	004772	045		SETSCREW, Hex Socket, 1/4-20 x 1/4	1
					** Shafts may have undersized drill holes - to be drilled at assembly.*	

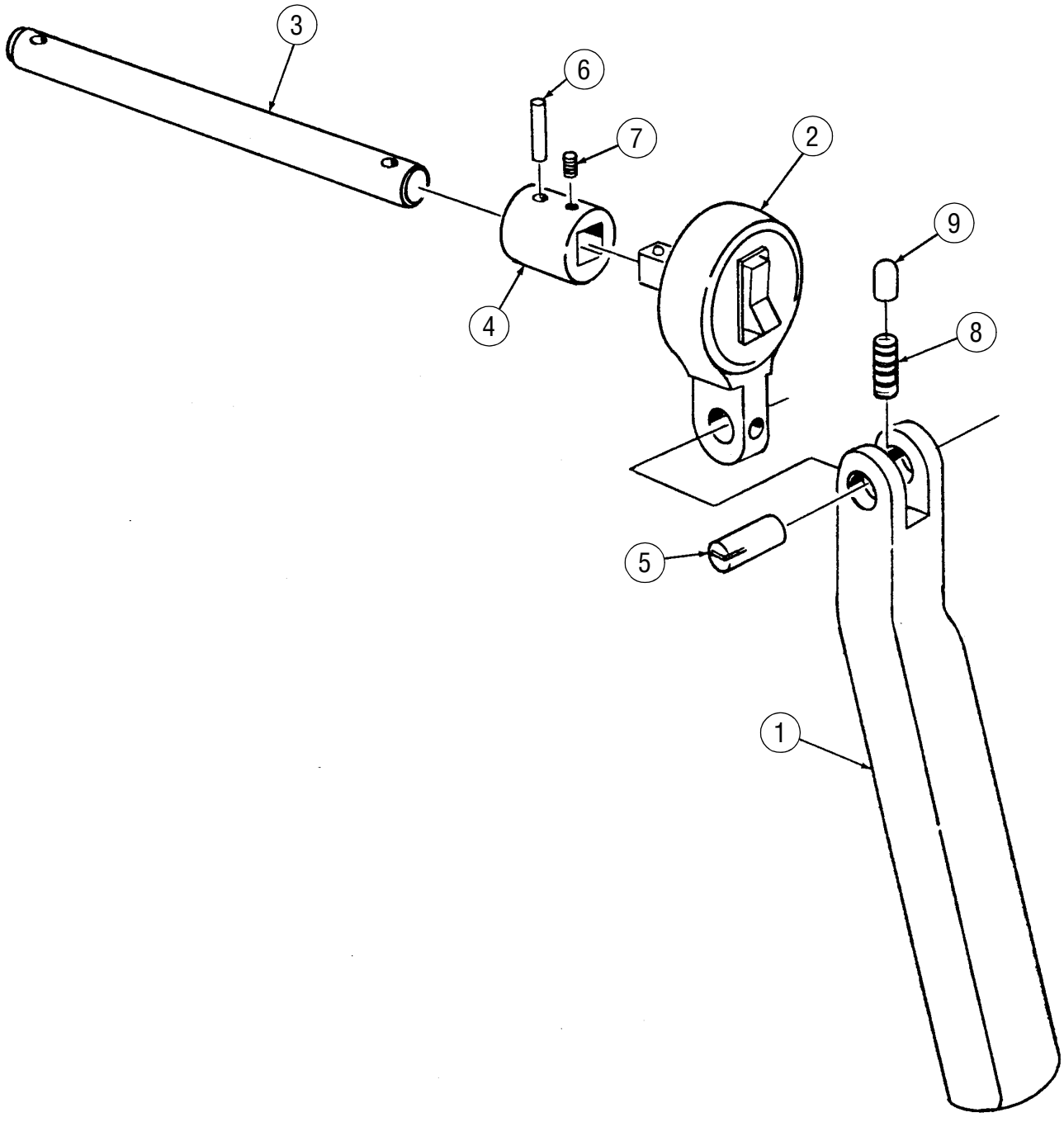


Figure 18. Kidney Bridge Handle Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
18-	**P**	**093909**	**474**		**KIDNEY BRIDGE HANDLE ASSEMBLY**	**X**			
1	P	136806	457		HANDLE, Kidney Bridge	1			
2	P	093908	662		RATCHET	1			
3	P	129359	685	*	SHAFT	1			
4	P	129359	681		SOCKET, Drive	1			
5	P	129360	266		PIN, Grooved	1			
6	P	041511	061		PIN, Groove, 5/32 x 5/8	1			
7	P	052004	061		SETSCREW, #10-32 x 1/4	1			
8	P	129360	265		SPRING, Compression	1			
9	P	129360	264		PLUNGER	1			
					** Shaft drill holes are undersize - to be drilled at assembly.*				

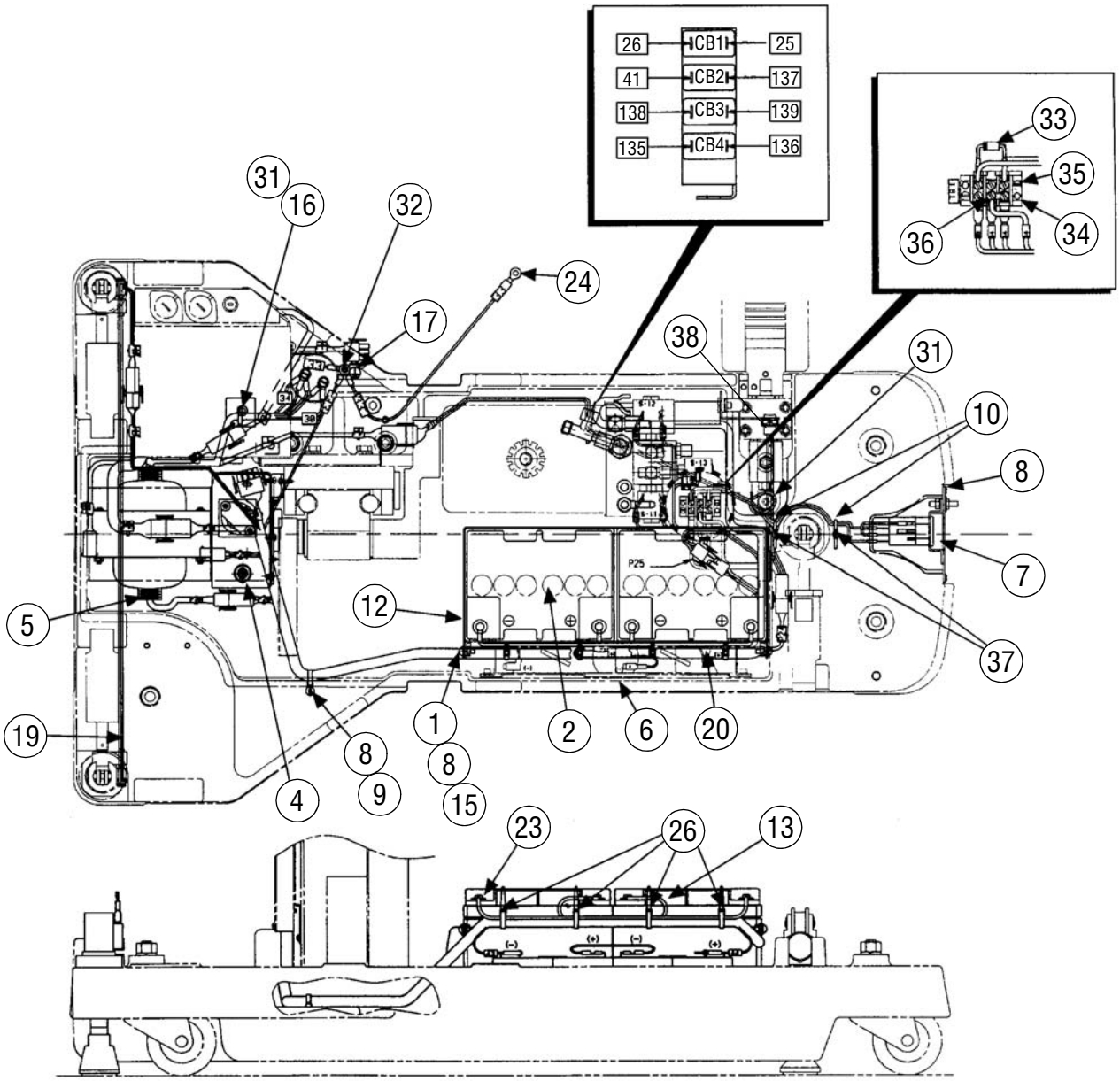


Figure 19. Table Base and Column: Electrical Assembly (1 of 3)

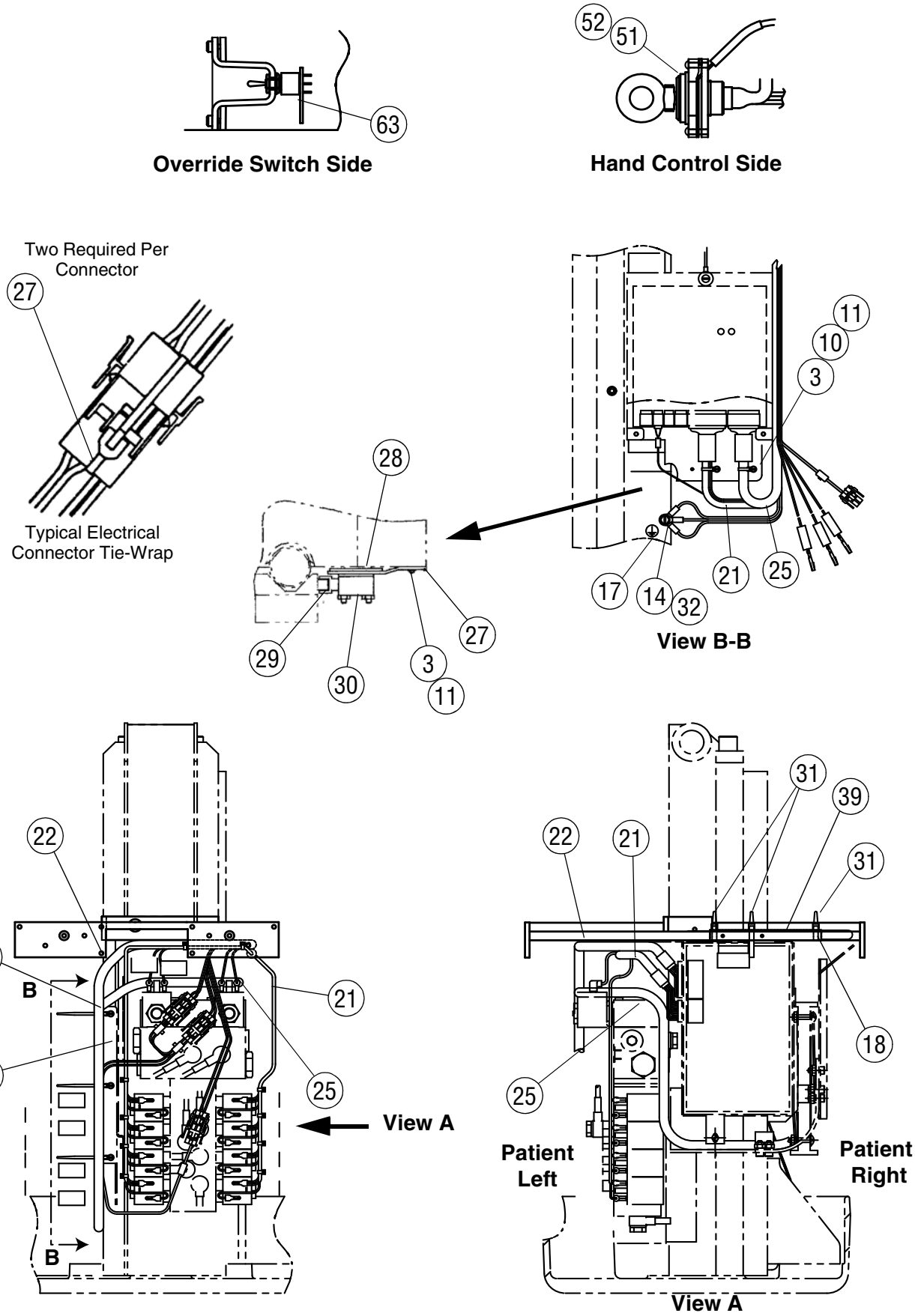


Figure 19. Table Base and Column: Electrical Assembly (2 of 3)

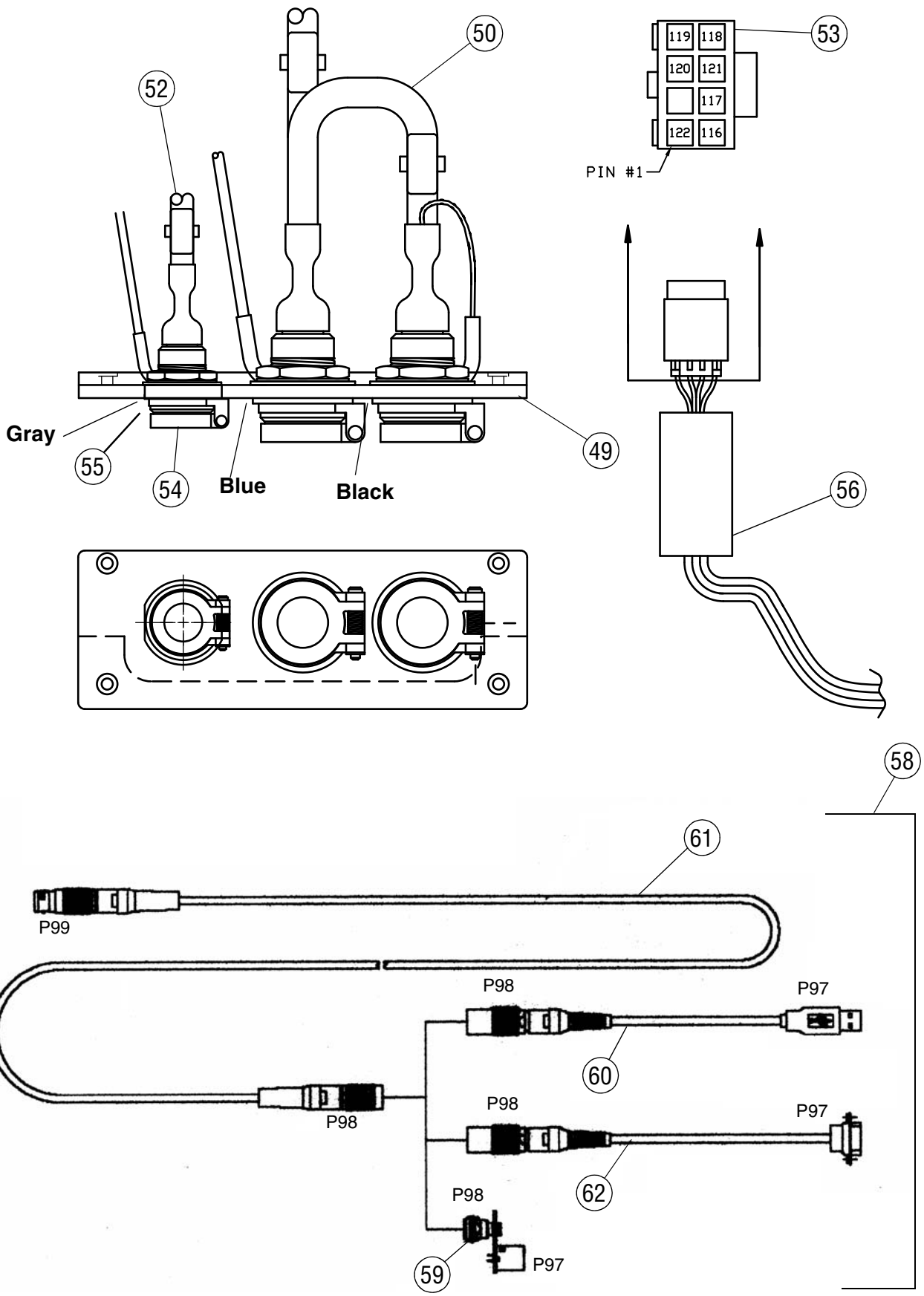


Figure 19. Table Base and Column: Hermes Electrical Assembly (3 of 3)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
19-					**Table Base and Column Electrical Assembly** **3085 SP Table**	X			
					3085 SP HERMES-Ready Table		X		
1	P	003153	041		NUT, Hex, #8-32	2	2		
2	P	764331	223		BATTERY, 12 V	1	1		
3	P	030743	045		LOCKWASHER, #4, External Tooth	5	5		
4	P	426637	598		CHARGER, Battery	1	1		
5	P	056397	862		ASSEMBLY, Transformer, 24 V	1	1		
6	P	093909	468		JUMPER, Battery	1	1		
7	P	755717	297		ASSEMBLY, AC Plate Without Labels and Cover (**P17**)	1	1		
8	P	093908	037		SCREW, Sems, #8-32 x 1/2	9	9		
9	P	093909	461		WIRE TIE, #10	3	3		
10	P	093909	462		WIRE TIE, #4	9	9		
11	P	013334	045		SCREW, Round Head, #4-40 x 3/8	5	5		
12	P	093909	212		BRACKET, Battery Support	1	1		
13	P	093909	467		JUMPER, Motor Battery	1	1		
14	P	082675	001		SCREW, Hex Head, #10-32 x 3/8	3	3		
15	P	084114	003		WASHER, Flat #8	6	6		
16	P	150476	930	*	BASE, Mounting	1	1		
17	P	129360	483		STICKER, Natural Ground	3	3		
18	P	134469	476		ASSEMBLY, Cable (**P9 to P10**)	1	1		
19	P	136807	035		ASSEMBLY, Cable (**LS1, LS2 and P27**)	1	1		
	P	093909	544		• SWITCH, Limit (Only)				
20	P	141210	140	**	ASSEMBLY, Cable, Table Base	1	1		
21	P	141210	141		ASSEMBLY Cable, Solenoid (**P7**)	1	1		
22	P	141210	144		ASSEMBLY, Cable (**P3 to P8**)	1	1		
23	P	134469	362		ASSEMBLY, Cable (**P25 to Battery**)	1	1		
24	P	093909	525		STRAP Ground Assembly	1	1		
25	P	141210	142		ASSEMBLY, Cable (**P1 to P5 and P22**)	1	1		
26	P	129360	598		TIE, Cable	4	4		
27	P	093909	548	*	PLATE, Offset Switch	1	1		
28	P	093909	549	*	SWITCH, Plate Stud Assembly	1	1		
29	P	093909	702	*	SWITCH, Roller Arm (Raise/Lower Limit Switch)	1	1		
30	P	010370	045	*	NUT, Hex Machine, #2-56	2	2		
31	P	431172	091		TIE, Cable	15	15		
32	P	124361	013		LOCKWASHER, External Tooth, #10	3	3		
33	P	093909	780		ASSEMBLY, Rectifier	1	1		
34	P	129359	140		TERMINAL BLOCK	1	1		
35	P	081681	002		SCREW, Round Head, #6-32 x 1/2	2	2		
36	P	084123	001		JUMPER, #6 Stud	1	1		
37	P	090712	041		SCREW, Round Head, #4-40 x 5/8	2	2		
38	P	134469	092		CABLE ASSEMBLY, Override Floor Lock (**P22**)	1	1		
39	P	129360	582		BOOT, Pushbutton (**For P28,** Item 41; Not Shown)	1	–		
40	P	084104	001		CABLE, Tie (Not Shown)	1	–		
41	P	136807	080	*	ASSEMBLY, Limit Switch (**P28 to Control Box**; Not Shown)	1	1		
42	P	134469	492		ASSEMBLY, Mercury Switch (**P33, P34 and P35**; Not Shown)	1	1		
43					NOT USED				

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
19-					**Table Base and Column Electrical Assembly (Cont'd)** **3085 SP Table**	X			
					3085 SP HERMES-Ready Table		X		
44					NOT USED				
45	P	141210	137		CABLE ASSEMBLY, Leg Section (**P36**; Not Shown)	1	1		
46	P	141210	138		ASSEMBLY, Back Section Cable, (**P29, P31, P33, P34 and LS4**; Not Shown)	1	1		
47	P	129360	888		• SWITCH, Back (**LS4;** Not Shown)	1	1		
48	P	056401	561		• CABLE ASSEMBLY, Charging Indicator (Not Shown) (French, Spanish, German 220V)	1	1		
49	P	755717	366		ASSEMBLY, Connector Plate Harness, Hermes IPX4	1	X		
50	P	134469	473		• ASSEMBLY, Wire Harness Connector Plate (**P15, P99**)	1	1		
51	P	136806	819		ASSEMBLY, Hand Control Cable (**P2**)	1	1		
52	P	136807	027		• ASSEMBLY, Foot Control Cable (**P4**)	1	1		
53	P	093908	832		• HOUSING, Connector	–	1		
54	P	129360	275		• CAP, Dust	2	3		
55	P	129360	562		• WASHER, Insulating (Gray-Foot Control)	1	1		
	P	150830	158		• WASHER, Insulating (Blue-Hand Control)	–	1		
	P	150830	160		• WASHER, Insulating (Black-Hermes Control)	–	1		
56	P	129360	572		• BEAD, Shield, .281 ID	–	1		
57	P	134469	352		LABEL, Hermes Ready (Not Shown)	–	A/R		
58	P	134469	380		CABLE, Interface, 20 Ft (**P99 to P97**)	–	1		
59	P	093921	189		• ASSEMBLY, Mounting USB Board	–	1		
60	P	134469	385		• ASSEMBLY, Interface Adapter Cable (9 inches long)	–	1		
61	P	134469	386		• ASSEMBLY, Interface Adapter Cable (20 feet long)	–	1		
62	P	136818	301		• ASSEMBLY, 3085 Act. Lemo. Cable (9 inches long)	–	1		
63	P	150830	758		ASSEMBLY, Override Switch	1	1		
					** Items 16, 27, 28, 29, 30 and 41 are only found on units manufactured prior to B431004011.*				
					*** Connections P18, P26, Battery; P24, P25, TBI; CB1-4, S11-13.*				

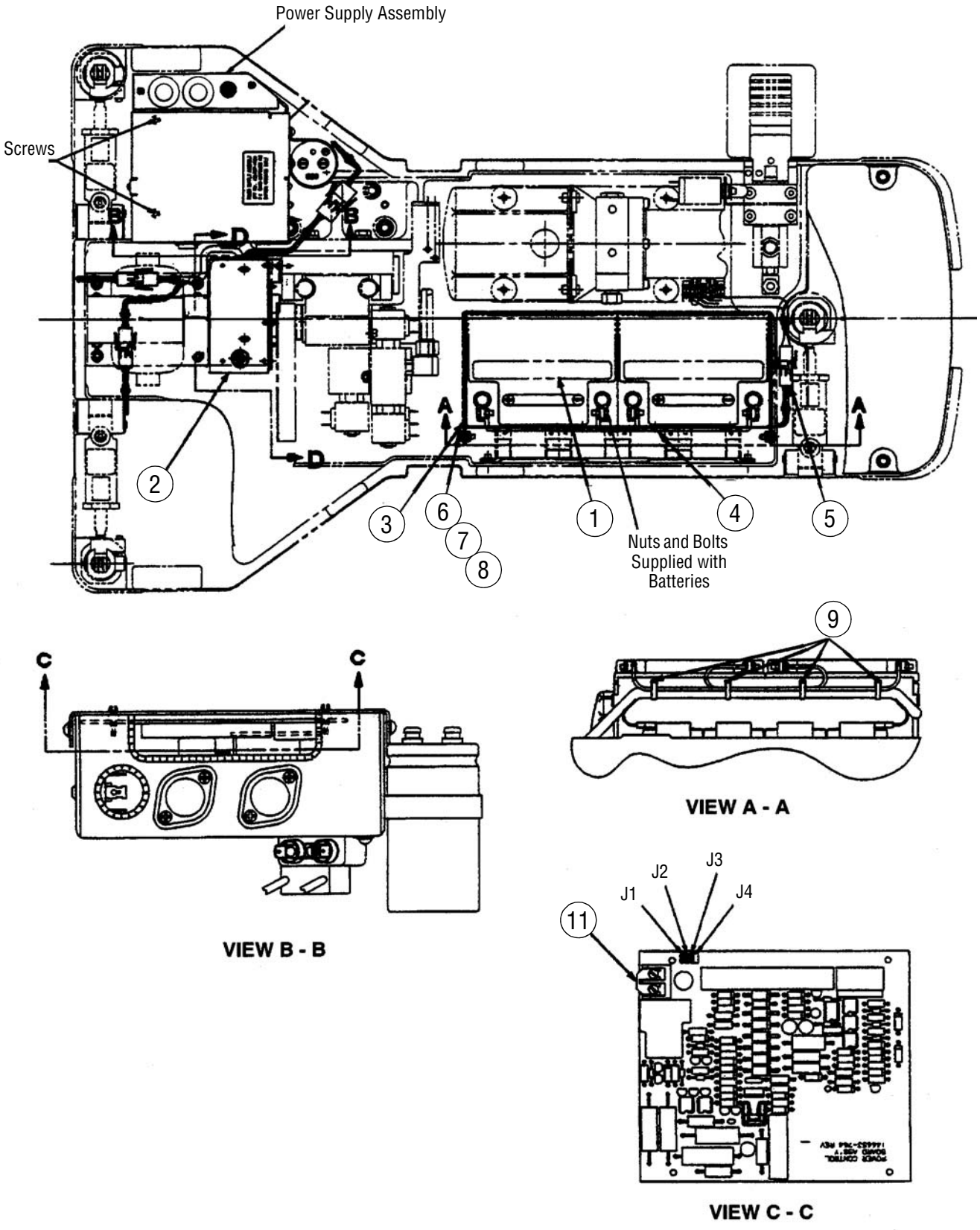


Figure 20. Electric-to-Battery Conversion (1 of 2)

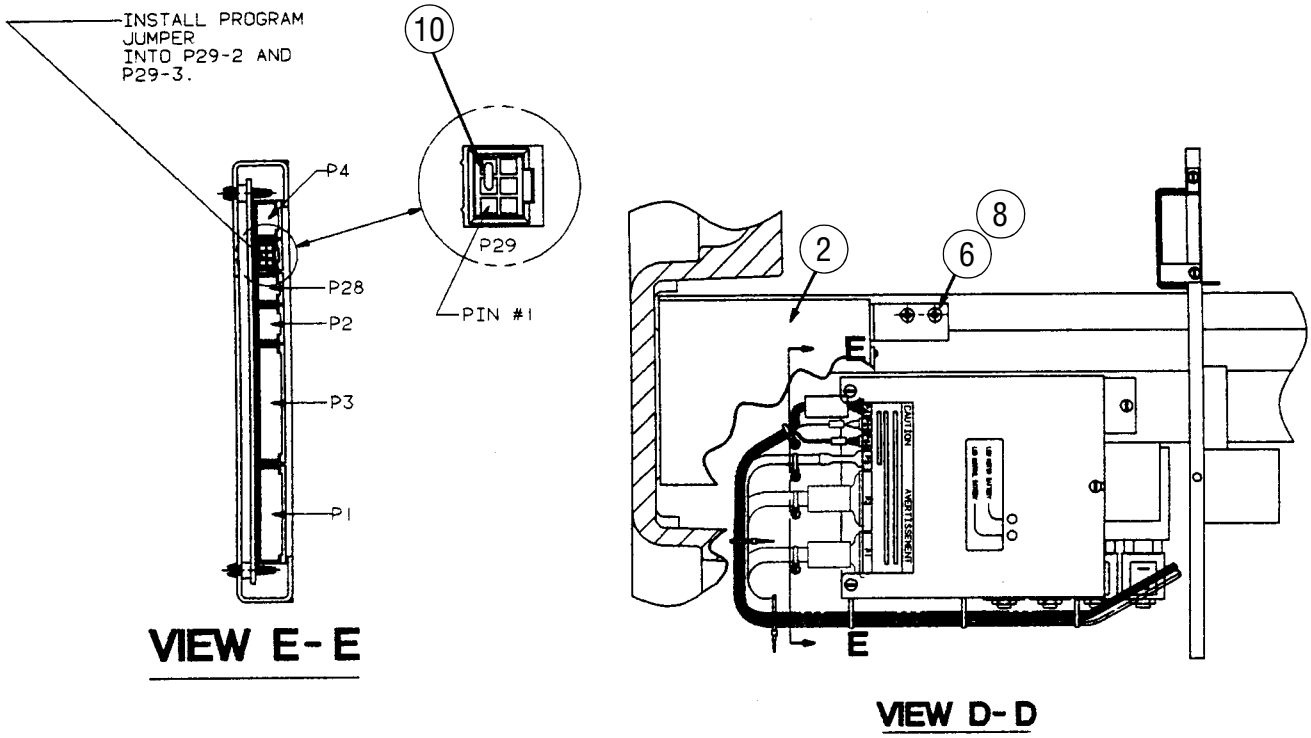


Figure 20. Electric-to-Battery Conversion (2 of 2)

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
20-	**P**	**630939**	**039**		**ELECTRIC-TO-BATTERY CONVERSION**	**X**
1	P	764331	223		BATTERY, 12 V	1
2	P	426637	598		CHARGER, Battery	1
3	P	093909	212		BRACKET, Battery Support (Coated)	1
4	P	093909	467		JUMPER, Motor Battery	1
5	P	136807	036		ASSEMBLY, Cable (**P25 to Battery**)	1
6	P	093908	037		SCREW, Sems, #8-32 x 1/2	4
7	P	003153	041		NUT, Hex, #8-32	2
8	P	084114	003		WASHER, Flat, #8	6
9	P	129360	598		TIE, Cable	6
10	P	093909	748		JUMPER, Wire, Program (**P29**)	1
11	P	129360	518		JUMPER	1

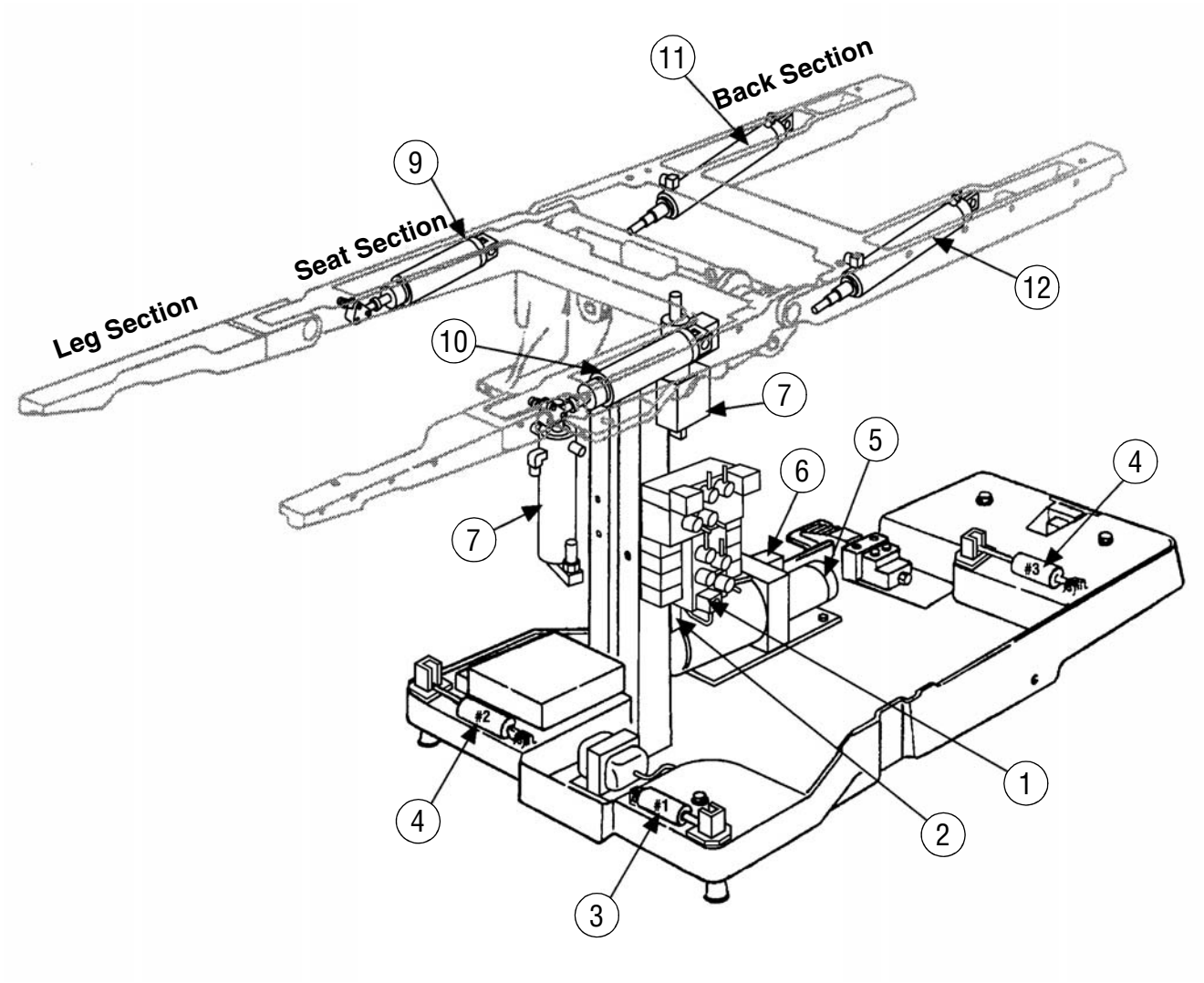


Figure 21. Hydraulic Components Layout

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
21-					**HYDRAULIC COMPONENTS LAYOUT**	**X**
1	P	141210	304		ASSEMBLY, Control Block Bieri #3 (see Figure 23).....	1
2	P	134469	149		ASSEMBLY, Column Flange	1
3	P	056397	274		CYLINDER, Hydraulic, **#1**, Floor Lock	1
4	P	056397	275		CYLINDER, Hydraulic, **#2 and #3**, Floor Lock.....	2
5					MOTOR and PUMP ASSEMBLY (see Figure 24)	1
6					VALVE BOX IV (see Figure 25).....	1
7	P	134469	133		CYLINDER, Seat	1
8	P	141210	491		CYLINDER, Tilt.....	1
9	P	141210	146		CYLINDER, Leg Section, Right Hand.....	1
10	P	141210	145		CYLINDER, Leg Section, Left Hand	1
11	P	134469	132		CYLINDER, Back Section, Right Hand.....	1
12	P	134469	131		CYLINDER, Back Section, Left Hand	1

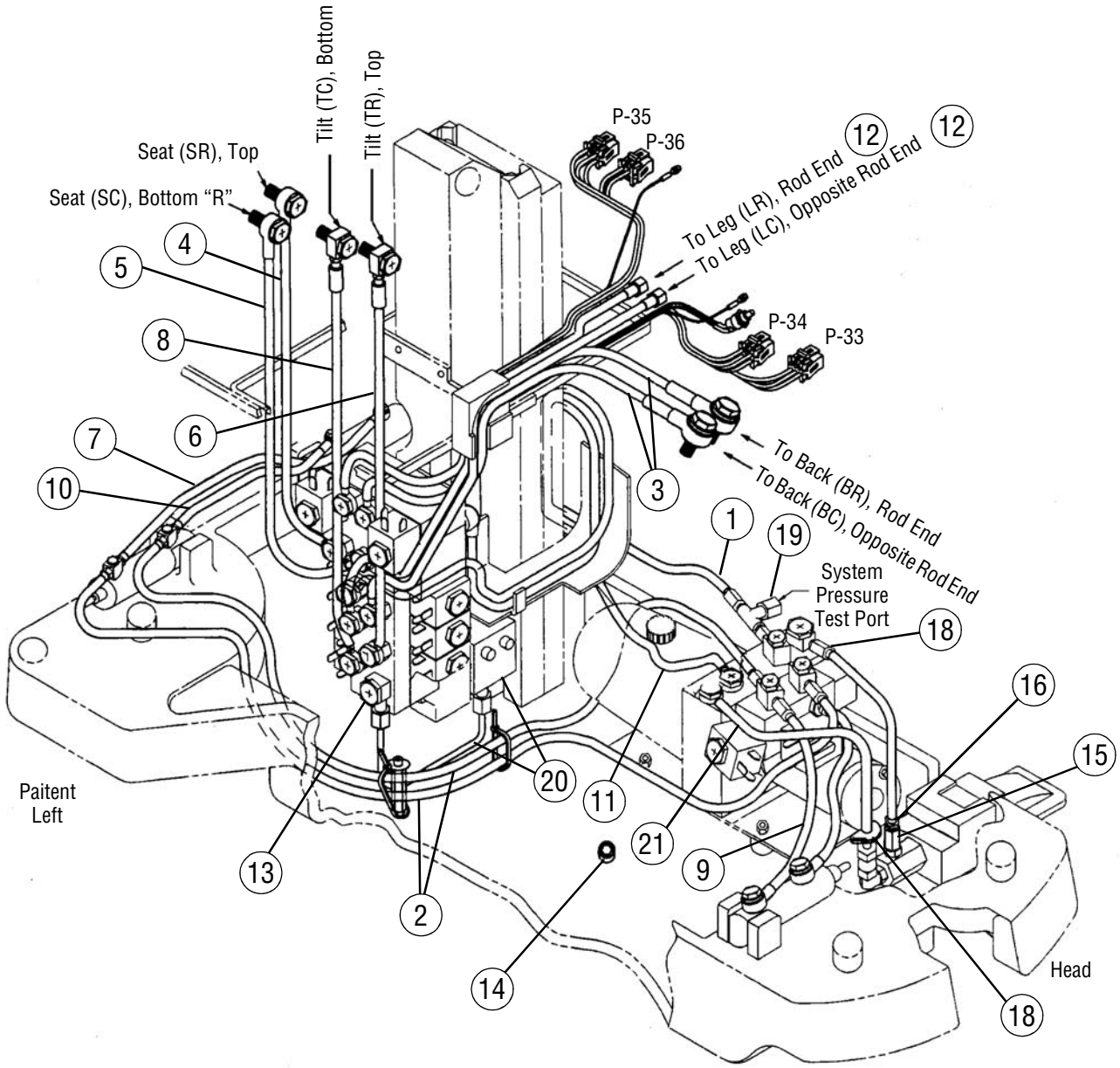


Figure 22. Table Base and Column: Hydraulic Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
22-					**TABLE BASE AND COLUMN HYDRAULIC ASSEMBLY**	**X**
1	P	150823	398		HOSE, Size 4, 1600 mm (**Pressure**)	1
2	P	150823	384		HOSE, Size 2, 1000 mm (**FR, FC to Floor Lock Cylinder #1**)	2
3	P	150823	607		HOSE, Size 2, 950 mm (**BR, BC**)	2
4	P	150823	603		HOSE, Size 2, 665 mm (**SR**)	1
5	P	150823	620		HOSE, Size 2, 530 mm (**SC**)	1
6	P	150823	617		HOSE, Size 2, 330 mm (**TR**)	1
7	P	150823	601		HOSE, Size 2, 395 mm (**Floor Lock Cylinder #1 to #2**)	1
8	P	150823	618		HOSE, Size 2, 307 mm (**TC**)	1
9	P	150823	602		HOSE, Size 2, 315 mm (**Floor Lock Cylinder #3 to FR**)	1
10	P	150823	393		HOSE, Size 2, 250 mm (**Floor Lock Cylinder #1 to #2**)	3
11	P	150823	399		HOSE, Size 4, 1600 mm (**R**)	1
12	P	150823	388		HOSE, Size 2, 850 mm (**LR and LC**)	2
13					ASSEMBLY, Control Block (see Figure 23)	1
14	P	004433	091		SCREW, Set, 1/4-20 x 5/16	1
15	P	056397	377		COUPLING	1
16	P	150823	426		CONNECTOR, Male	1
17	R	003500	165		TUBING, Superthane, 7/16 x1/4 ID x 8-1/2 (Uom/Foot; Not Shown) ...	A/R
18	P	129360	600		CLAMP, Hose	2
19	P	764329	602		TEE, 1/4 x 1/4 x 12 mm (**Test Port**)	1
20	P	134469	149		ASSEMBLY, Column Flange	1
21	P	150823	387		HOSE, Size 2, 250 mm	1

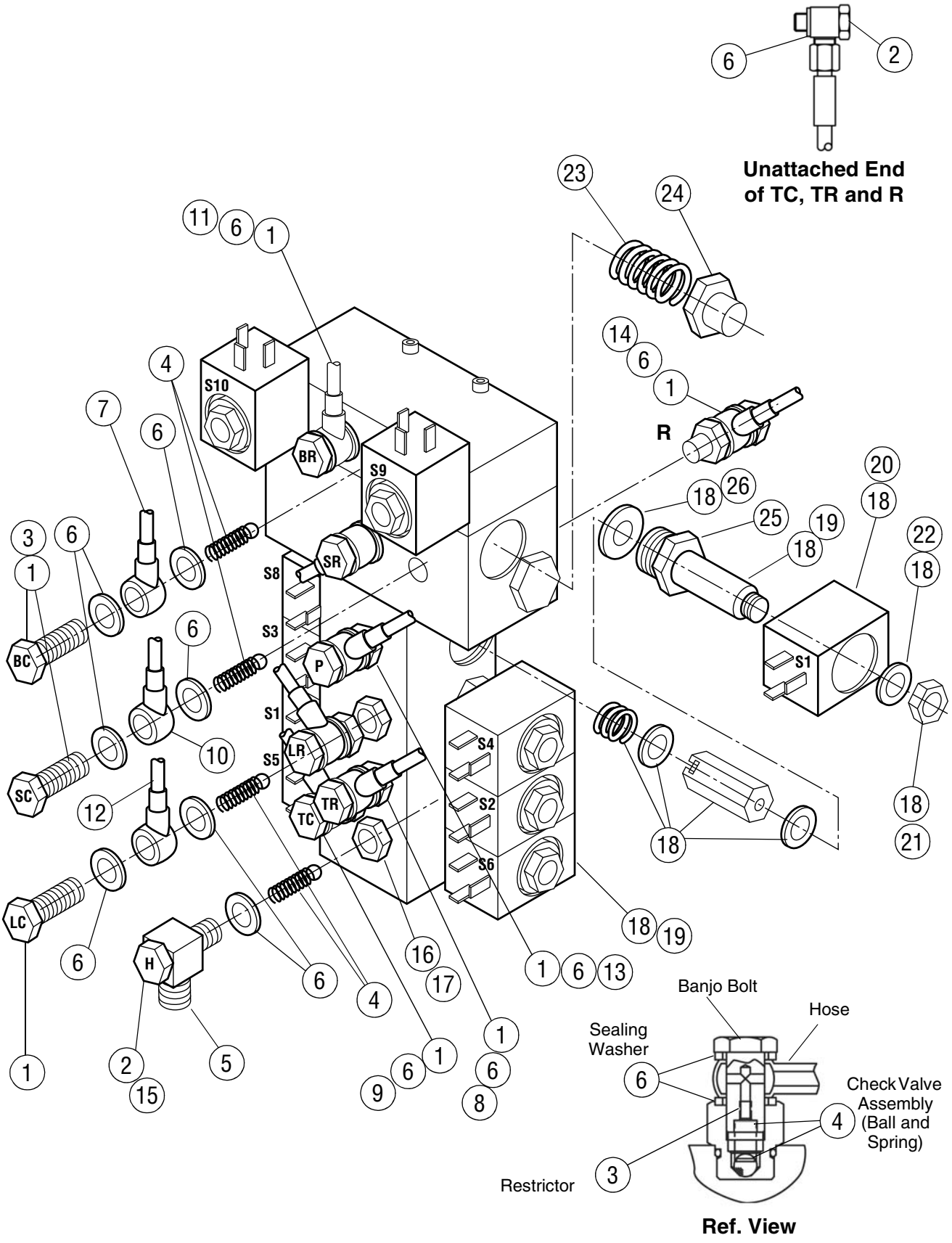


Figure 23. Control Block Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
23-	**P**	**141210**	**304**		**Control Block Assembly (Bieri #3)**	**X**
1	P	150823	369		BOLT, Banjo	8
2	P	150823	583		BOLT, Banjo	1
3	P	150823	657		RESTRICTOR (**BC and SC** Ports Only)	2
4	P	150823	726		BALL & SPRING	4
5	P	150823	966		HOUSING, Banjo	1
6	P	056397	441		WASHERS, Sealing, 10 MM	16
7	P	150823	607		ASSEMBLY, Hose, Size 2, 950 MM (**BR, BC**)	2
8	P	150823	617		ASSEMBLY, Hose, Size 4, 330 MM (**TR**)	1
9	P	150823	618		ASSEMBLY, Hose, Size 4, 307 MM (**TC**)	1
10	P	150823	620		ASSEMBLY, Hose, Size 2, 530 MM (**SC**)	1
11	P	150823	603		ASSEMBLY, Hose, Size 2, 665 MM (**SR**)	1
12	P	150823	388		ASSEMBLY, Hose, Size 2, 850 MM (**LR and LC**)	2
13	P	150823	398		ASSEMBLY, Hose, Size 4, 1600 MM (**P**)	1
14	P	150823	399		ASSEMBLY, Hose, Size 4, 1600 MM (**R**)	1
15	P	056397	481		O-RING, Metric	2
16	P	056397	585		CARTRIDGE, Check Valve	3
17	P	056397	469		O-RING, Check Valve Cartridge	3
18	P	764330	172		KIT, Solenoid Assembly Rebuild	1
19	P	150823	380		KIT, Solenoid Assembly (**S1-S12**)	10
20	P	150823	661		• COIL, Solenoid (**S1-S13**)	A/R
21	P	150823	856		• NUT, Coil	A/R
22	P	150823	857		• WASHER, Spring	A/R
23	P	150830	150		SPRING, Pressure	13
24	P	150823	692		SPRING, Guide	13
25	P	150823	568		CARTRIDGE, Solenoid Valve	13
26	P	056397	457		O-RING, Metric (Solenoid Valve Cartridge)	13
					** All Hose Assemblies include; Sealing Washers (Usit Ring), Banjo Bolts, Restrictor, Banjo Housing.*	

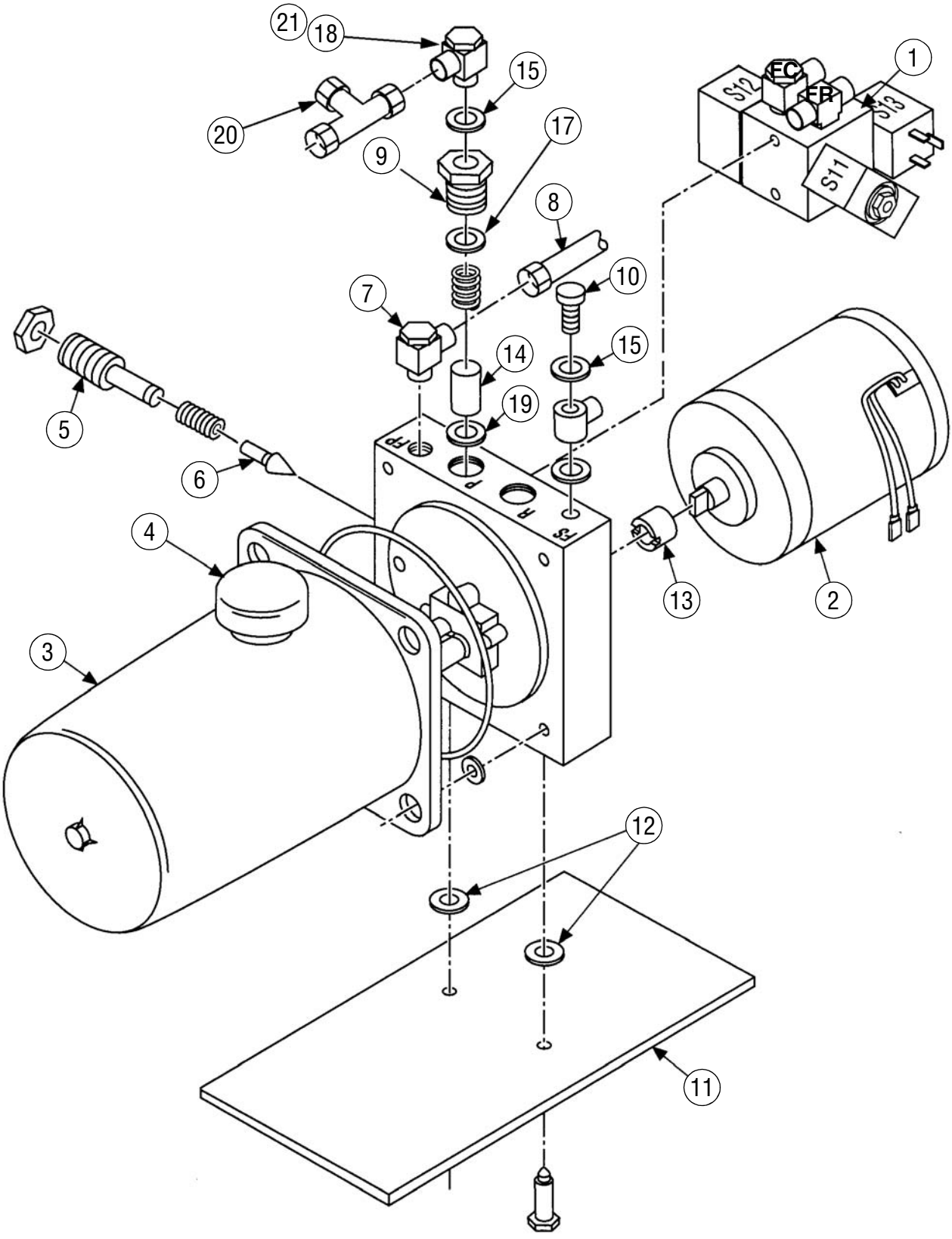


Figure 24. Motor and Pump Assembly

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY			
24-		**NLA**			**Motor and Pump Assembly (Metal Reservoir, Bieri #3)**	**X**			
	P	**141210**	**540**		**Motor and Pump Assembly (Plastic Reservoir, Bieri #4)**.....		**X**		
1					VALVE BOX IV (see Figure 25)	1	1		
2	P	134469	299		MOTOR	1	1		
3	P	150823	864	*	KIT, Metal Reservoir	1	–		
	P	150830	810	*	KIT, Plastic Reservoir	–	1		
					• O-RING SEAL, Reservoir				
					• NUT				
					• SCREW, Slotted Hex				
					• RESERVOIR				
					• WASHER.....				
					• (2) 1/2 Gal. Oil				
					• LOCTITE Sealant				
4	P	150823	702		• CAP, Breather With Dip Stick	1	–		
	P	150830	807		• CAP, Breather With Dip Stick.....	–	1		
5	P	150823	358		SCREW, Plug	1	1		
6	P	150823	365		CONE.....	1	1		
7	P	150823	567		FITTING, w/Filter	1	1		
8	P	150823	387		HOSE, Size 2, 250mm (**FP to FR**).....	1	1		
9	P	150823	371		NIPPLE, Threaded.....	1	1		
10	P	150823	369		BOLT, Banjo	1	1		
11	P	056397	256		PLATE.....	1	1		
12	P	150823	873		WASHER	2	2		
13	P	150823	366		COUPLING	1	1		
14	P	150823	631		FILTER.....	1	1		
15	P	056397	441		WASHER, Sealing, 10 MM	2	2		
16	P	093909	780	**	ASSEMBLY, Rectifier (Not Shown - see Figure 19)				
17	P	056397	482		O-RING.....	1	1		
18	P	056397	481		O-RING, Metric	1	1		
19	P	150830	099		WASHER, Filter	1	1		
20	P	764329	602		TEE, 1/4 x 1/4 x 12 mm (**Test Port**)	1	1		
21	P	764332	936		FITTING, 90°	1	1		

** Changed to a plastic reservoir - it is not retrofittable.*

*** Not included with Motor and Pump Assembly - must be ordered separately.*

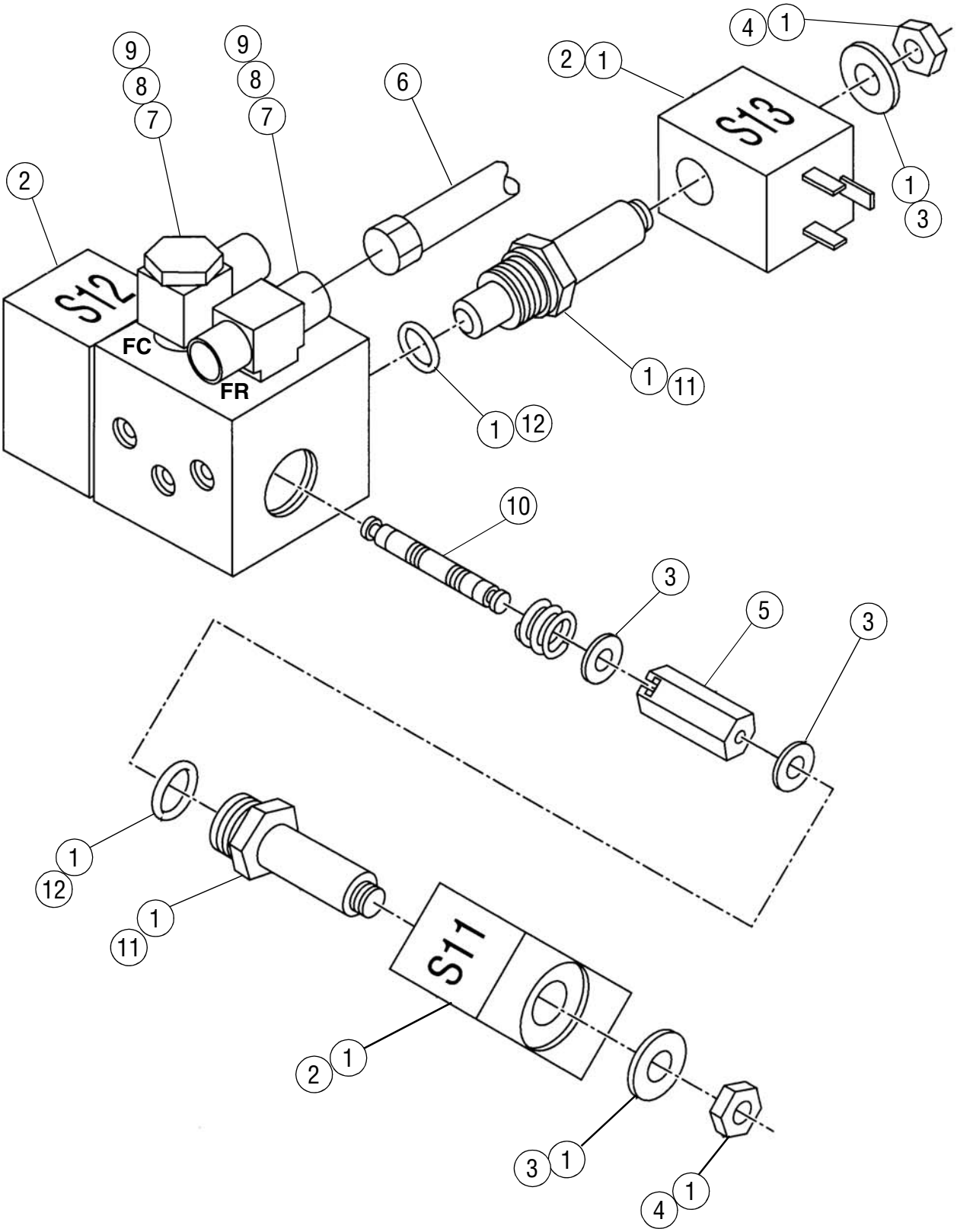


Figure 25. Valve Box IV

FIG. & ITEM NO.	PART NUMBER			SVC	DESCRIPTION	UNITS PER ASSEMBLY
25-					**Valve Box IV**	**X**
1	P	764330	172		KIT, Solenoid Assembly Rebuild	10
2	P	150823	380		KIT, Solenoid (**S1-S12**)	1
3	P	150823	857		• WASHER, Spring	A/R
4	P	150823	856		• NUT, Coil	A/R
5	P	150823	661		• COIL, Solenoid (**S1 through S13**)	A/R
6	P	150823	387		HOSE, Size 2, 250 MM (**FP to FR**)	1
7	P	150823	583		BOLT, Banjo	1
8	P	056397	441		WASHER, Sealing, 10 MM	1
9	P	056397	481		O-RING	1
10				*	MAGNETIC STEM	1
11	P	150823	568		CARTRIDGE, Solenoid Valve	3
12	P	056397	457		O-RING, Metric (Solenoid Valve Cartridge)	3
					** This is NOT a field-replaceable item. If this part fails, the Motor and Pump must be replaced (see Figure 24)*	